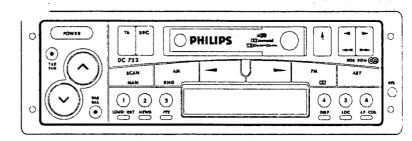
22DC722/00





For repair information of the Cassette deck see Service Manual N° 4822 725 23509 of Auto Cassette Deck SCA-4.4 +47C3 2/33/

Service Manual

12 V ⊖

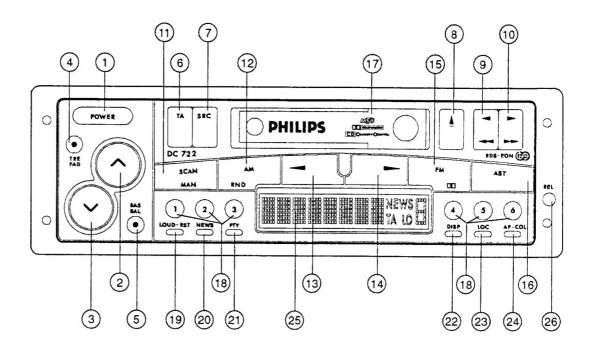
Contents	page
Controls	2
Connections	3
Technical data - Chips handling	3a
Loudspeakers connections - Warnings	4
IC91 module features	4a
Semiconductors - IC pinnings	5 - 5a
Detachable front schematic diagram	6 - 6a
Detachable front PWB layout	7 - 7a
DC voltages - Checks and adjustments	8 - 8a
Technician's remarks	9
Tuner part schematic diagram	9a
Microcontroller part schematic diagram	10 - 10a
Main PWB layout	11 - 11a - 14 - 14a
Power supply part schematic diagram	12 - 12a
Signal processing part schematic diagram	13 - 13a
Tape part schematic diagram	15 - 15a
Power part DC722 schematic diagram	16 - 16a
Power part DC712 schematic diagram	17 - 17a
Detachable front exploded view	18 - 18a
Set exploded view	19 - 19a
Electrical partslist	20 - 20a - 21 - 21a - 22



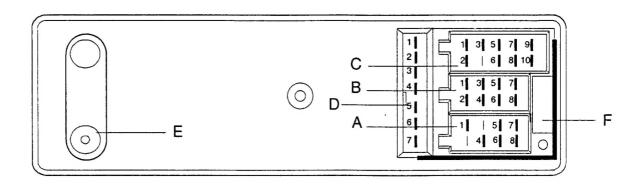
4822 725 24339



Front



ON / OFF	16	AUTOSTORE
UP	17	CASSETTE OPENING
DOWN	18	PRESET SELECTION
TREBLE / FADER		DISC SELECTION
BASS / BALANCE	19	LOUDNESS SELECTION
TRAFFIC ANNOUNCEMENT		AUDIO RESET
SOURCE SELECTOR	20	NEWS SELECTION
EJECT	21	PROGRAM TYPE SELECTION
FRW 9+10 REVERSE	22	DISPLAY SELECTION (CLOCK)
FFW	23	LOCAL MODE SELECTION
SCAN PRESETS / TRACKS	24	ALTERNATIVES FREQUENCIES
MANUAL SEARCH SELECTION		COLOR SELECTION (DC722 only)
AM SELECTION / RANDOM TRACKS	25	DISPLAY
SEARCH DOWN / TRACK DOWN	26	RELEASE KNOB FOR DETACHABLE UNIT
SEARCH UP / TRACK UP		
FM SELECTION / DOLBY		
	UP DOWN TREBLE / FADER BASS / BALANCE TRAFFIC ANNOUNCEMENT SOURCE SELECTOR EJECT FRW 9 + 10 REVERSE FFW SCAN PRESETS / TRACKS MANUAL SEARCH SELECTION AM SELECTION / RANDOM TRACKS SEARCH DOWN / TRACK DOWN SEARCH UP / TRACK UP	UP 17 DOWN 18 TREBLE / FADER BASS / BALANCE 19 TRAFFIC ANNOUNCEMENT SOURCE SELECTOR 20 EJECT 21 FRW 9 + 10 REVERSE 22 FFW 23 SCAN PRESETS / TRACKS 24 MANUAL SEARCH SELECTION AM SELECTION / RANDOM TRACKS 25 SEARCH DOWN / TRACK DOWN 26 SEARCH UP / TRACK UP



A1 TELEPHONE MUTE	A : POWER SUPPLY
A2 (NO PIN)	
A3 (NO PIN)	
A4 PERM OR IGNITION KEY +	
A5 ANTENNA SUPPLY	
A6 CAR ILLUMINATION LEVEL	
A7 IGNITION KEY OR PERM +	
A8 POWER GROUND	
B1 REAR RIGHT +	B :LOUDSPEAKER SUPPLY
B2 REAR RIGHT - FRONT RIGHT -	
B3 FRONT RIGHT + FRONT RIGHT +	4 OR 2 LOUDSPEAKERS (DC712 only)
B4 FRONT RIGHT -	
B5 FRONT LEFT + FRONT LEFT +	
B6 FRONT LEFT -	
B7 REAR LEFT +	
B8 REAR LEFT - FRONT LEFT -	
C1 POWER GROUND	C : CD CHANGER CONNECTIONS
C2 BUS+	
C3 BUS-	
C4 (NO PIN)	
C5 C.D.C. SUPPLY	(Linked to A4 and A7)
C6 POWER GROUND	
C7 = A5	
C8 LINE IN RIGHT	
C9 LINE IN LEFT	
C10 LINE IN GROUND	
D1 = A5	D : LINE OUT
D2 BOOSTER DETECTION	
D3 AUDIO GROUND	
D4 FRONT RIGHT OUT	
D5 REAR RIGHT OUT	
D6 FRONT LEFT OUT	
D7 REAR LEFT OUT	
D8 CONNECTOR SHIELD	
E AERIAL PLUG	E : AERIAL PLUG
	According to DIN 41585 with adaptor
	According to ISO/DIS 10599 without adaptor
	7.0001dillig to 1007 DIO 10000 Williout adaptol
F FUSE	F : FUSE 10 A(DC722), 5A(DC712)
1 1002	1.1 OOL TO A(DOTZE), OA(DOTTE)

TECHNICAL DATA

GENERAL

Power supply :14.4V DC
Dimensions :180x150x51 mm
Front : Detachable

Security code : No

RADIO

LW : 144-288 KHz
MW : 531-1611 KHz
FM : 87.5-108 MHz
SW : 5.95-6.25 MHz
IF-AM (1/2) : 10.7 MHz/450KHz
IF-FM (1/2) : 72.2 MHz/10.7 MHz

Sensivity 26dB S/N : 38 μV (LW)

: 30 μV (MW) : 25 μV (SW) : 3.5 μV (FM)

Limitation α -3dB : $5.5 \pm 2.5 \,\mu\text{V}$

CASSETTE

Cassette mechanism : SCA-4.4 Number of tracks : 2x2 Tape speed : 4.76 cm/sec Wow and flutter : $\leq 0.35\%$ Crosstalk : ≥ 35 dB

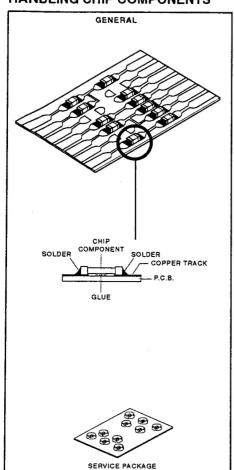
AMPLIFIER

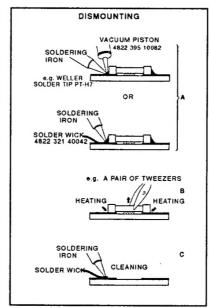
 $\begin{array}{ll} \text{Output power} & : 4 \text{x} 14.5 \text{W} \ / \ 4\Omega \ (\text{D} = 10\%) \\ \text{Treble control} & : +10 \ / \ -10 \ \text{at} \ 10 \text{kHz} \\ \text{Bass control} & : +15 \ / \ -15 \ \text{at} \ 60 \text{Hz} \end{array}$

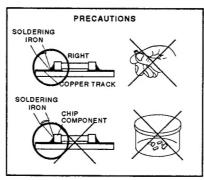
Balance control : -28dB Fader : -28dB Mute : -70dB

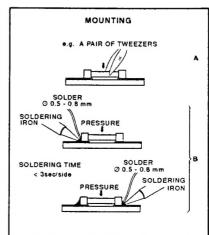
Loudness : +12dB at 60Hz : +1dB at 1KHz : +3dB at 10KHz

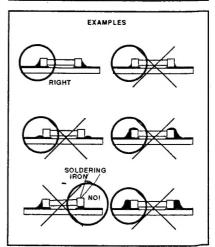
HANDLING CHIP COMPONENTS











22DC712/00 22DC722/00

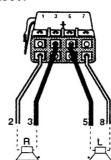
Loudspeakers connection

4 Loudspeakers

DC712: 4X12W DC722: 4X30W

2 Loudspeakers

DC712: 2X30W



WARNING!

The software of the set is splitted in two parts: one in the front microcontroller and the other one in the main microcontroller. Make sure when changing a front or a microcontroller that both main and front are software compatible.

Software release numbers

You can read the 'checksum' of the microcontrollers (main and front) applying the following method:

a) Switch on the "demo mode":

While keeping the preset 1 and preset 5 keys pressed, switch on the set. You are now in the demo mode.

b) Press simultaneously the preset 1 and preset 6 keys. Two 4 digits numbers appear on the display:

first 4 digits: checksum of main micro

second 4 digits: checksum of the front micro.

Quit the demo mode following the same method (keys 1 and 5 and switch on).

A table stating the different checksums related to the software releases and retro-compatibility will be issued regularly in service newsletters.

ESD



WARNING

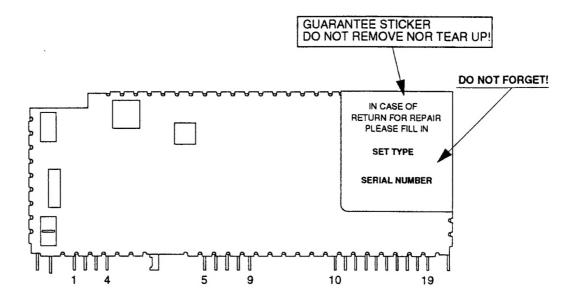
All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

IC91 MODULE

Do not open and do not try to repair yourself!

Send defective modules to Philips Consumer Service in Eindhoven, according to the Central Repair procedure.



Connections

- 1 AM/FM Aerial input
- 2 Ground
- 3 Antenna select 1
- 4 Antenna select 2
- 5 Output lock detector
- 6 Vcc 8.5V
- 7 Ground
- 8 Vcc 5.0V
- 9 V reference

- 10 Multiplex / RDS output signal
- 11 Unweighted level output
- 12 I2C SDA
- 13 I2C SCL
- 14 PACS on/off
- 15 Output Left
- 16 Output Right
- 17 Ground
- 18 PACS level out
- 19 PACS MPX/RDS output signal

Quick reference data:

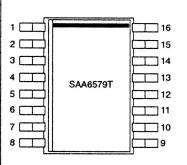
- 1) AM part
 - -Longwave/Mediumwave 144-1710 KHz
 - -Shortwave 5900-6250 KHz
 - -AM double super concept
 - -AM IF1 10.7MHz
 - -AM IF2 450KHz
 - -First VCO frequency above input signal frequency
 - -Second X-tal oscillator frenquency below IF1
 - -Usable sensivity α 26dB MW = 14 μ V typ.

- 1) FM part
 - -FM 87.5 108MHz
 - -FM double super concept
 - -FM IF1 72.2MHz
 - -FM IF2 10.7MHz
 - -First VCO frequency above input signal frequency
 - -Second X-tal oscillator frenquency below IF1
 - -Usable sensivity $\alpha 26dB = 2.5 \mu V$ typ.
 - -THD 1mV $\delta f=75KHz = 0.4\%$ typ
 - -Signal to noise ratio = 65dB typ
 - -Locktime synthetizer <2mSec

INTEGRATED CIRCUITS

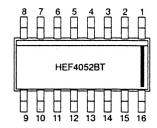
SAA6579T Radio Data System demodulator

SYMBOL	PIN	DESCRIPTION
QUAL	1	quality indication output
RDDA	2	RDS data output
V _{ref}	3	reference voltage output (0.5 V _{DDA})
MPX	4	multiplex input signal
V _{DDA}	5	+5V supply voltage for analog part
V _{SSA}	6	ground for analog part (0V)
CIN	7	subcarrier input to comparator
SCOUT	8	subcarrier output for reconstruction filter
TCTR	9	test control
TEN	10	test enable
V _{SSD}	11	ground for digital part (0V)
V _{DDD}	12	+5V supply voltage for digital part
OSCI	13	oscillator input
osco	14	oscillator output
T57	15	57kHz clock signal output
RDCL	16	RDS clock output



HEF4052BT Dual 4 channel analogue multi/demultiplexer

SYMBOL	PIN	DESCRIPTION
Y _{0B}	1	independant input/output 0 _B
Y _{2B}	2	independant input/output 2 _B
Z _B	3	common input/output B
Y _{3B}	4	independant input/output 3 _B
Y _{1B}	5	independant input/output 1 _B
Ē	6	enable input (active LOW)
VEE	7	ground
V _{SS}	8	ground
A ₁	9	address input 1
A ₀	10	address input 0
Y _{3A}	11	independant input/output 3 _A
Y _{OA}	12	independant input/output 0 _A
Z _A	13	common input/output A
Y _{1A}	14	independant input/output 1 _A
Y _{2A}	15	independant input/output 2 _A
V_{DD}	16	supply



L H H Y_{3A}-Z_A; Y_{3B}-Z_B

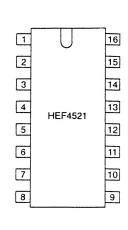
none

H X X

BAV 70

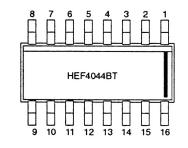
HEF4521BP 24-stage frequency divider

SYMBOL	PIN	DESCRIPTION
O ₂₄	1	output 2 ²⁴
MR	2	asynchronous master reset
V _{SS} .	3	
02	4	
V _{DD}	5	
12	6	
01	7	
V _{SS}	8	ground
11	9	
O ₁₈	10	output 2 ¹⁸
O ₁₉	11	output 2 ¹⁹
O ₂₀	12	output 2 ²⁰
O ₂₁	13	output 2 ²¹
O ₂₂	14	output 2 ²²
O ₂₃	15	set input 3 (active LOW)
V _{DD}	16	power supply



HEF4044BT Quad R/S latch with 3-state outputs

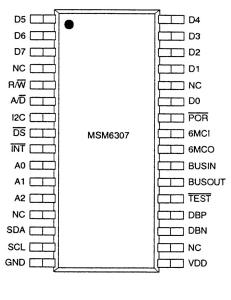
SYMBOL	PIN	DESCRIPTION
О3	1	3-state buffered latch output 3
n.c	2	
\overline{s}_0	3	set input 0 (active LOW)
\overline{R}_0	4	reset input 0 (active LOW)
E0	5	common output enable input
R ₁	6	reset input 1 (active LOW)
Ī₁	7	set input 1 (active LOW)
V _{SS}	8	ground
O ₁	9	3-state buffered latch output 1
02	10	3-state buffered latch output 2
\overline{s}_2	11	set input 2 (active LOW)
Ā ₂	12	reset input 2 (active LOW)
00	13	3-state buffered latch output 0
Ā₃	14	reset input 3 (active LOW)
₹ ₃	15	set input 3 (active LOW)
V _{DD}	16	supply



FUNCTION TABLE					
	inputs		output		
E0	Ī5 _n	\overline{R}_n	O _n		
L	Х	Х	Z		
Н	L	Н	Н		
Н	Х	L	L		
Н	Н	Н	latched		
Z = high impedance OFF-state					

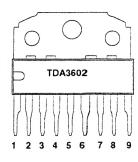
MSM6307GS D2B IC

SYMBOL	VO	DESCRIPTION
POR	1	Power on - reset
R/W	ı	Read / Write selector
DS	١	Data strobe to access data bus
A/D	ı	Selects address or data on D0 ~ d7
SDA	1/0	I ² C data signal input / output
SCL	1/0	I ² C clock signal input / output
I2C	ı	Selects I ² C or parallel interface
INT	0	Interrupt output
BUSIN	1	D2B input (TTL level)
BUSOUT	0	D2B output (TTL level)
DBN & DBP	I/Os	Differential D2B lines of the internal driver/receiver, to be terminated with 60Ω
TEST	1	Selects the test mode for factory purposes
6MCI	1	Clock input 6MHz resonator or X-TAL
6MCO	0	Clock output 6MHz resonator or X-TAL
D0 ~ D7	I/Os	8-bit bi-directional address or data bus
A0 ~ A2	1	Programmables I ² C slave addresses



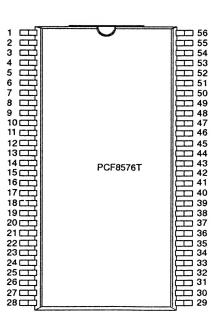
TDA3602 Multiple output voltage regulator

SYMBOL	PIN	DESCRIPTION
V _P	1	positive supply voltage
REG1	2	regulator 1 output
RESET	3	reset output
SCI	4	state control input
HOLD	5	hold output
GND	6	ground
REG3	7	regulator 3 output
V _{bu}	8	back-up
REG2	9	regulator 2 output

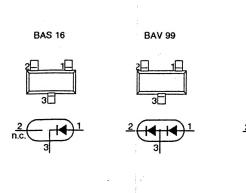


PCF8576T Universal LCD driver for low multiplex rates

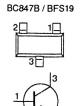
SYMBOL	PIN	DESCRIPTION
SDA	1	I ² C bus data input/output
SCL	2	I ² C bus clock input/output
SYNC	3	cascade synchronization input/output
CLK	4	external clock input/output
V _{DD}	5	positive supply voltage
osc	6	oscillator input
A0	7	I ² C bus subaddress input
A1	8	I ² C bus subaddress input
A2	9	I ² C bus subaddress input
SA0	10	I ² C bus slave address bit 0 input
V _{SS}	11	logic ground
V _{LCD}	12	LCD supply voltage
BP0	13	LCD backplane outputs
BP2	14	LCD backplane outputs
BP1	15	LCD backplane outputs
BP3	16	LCD backplane outputs
S0 to S39	17 to 56	LCD segment outputs



DIODES



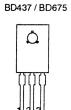
TRANSISTORS



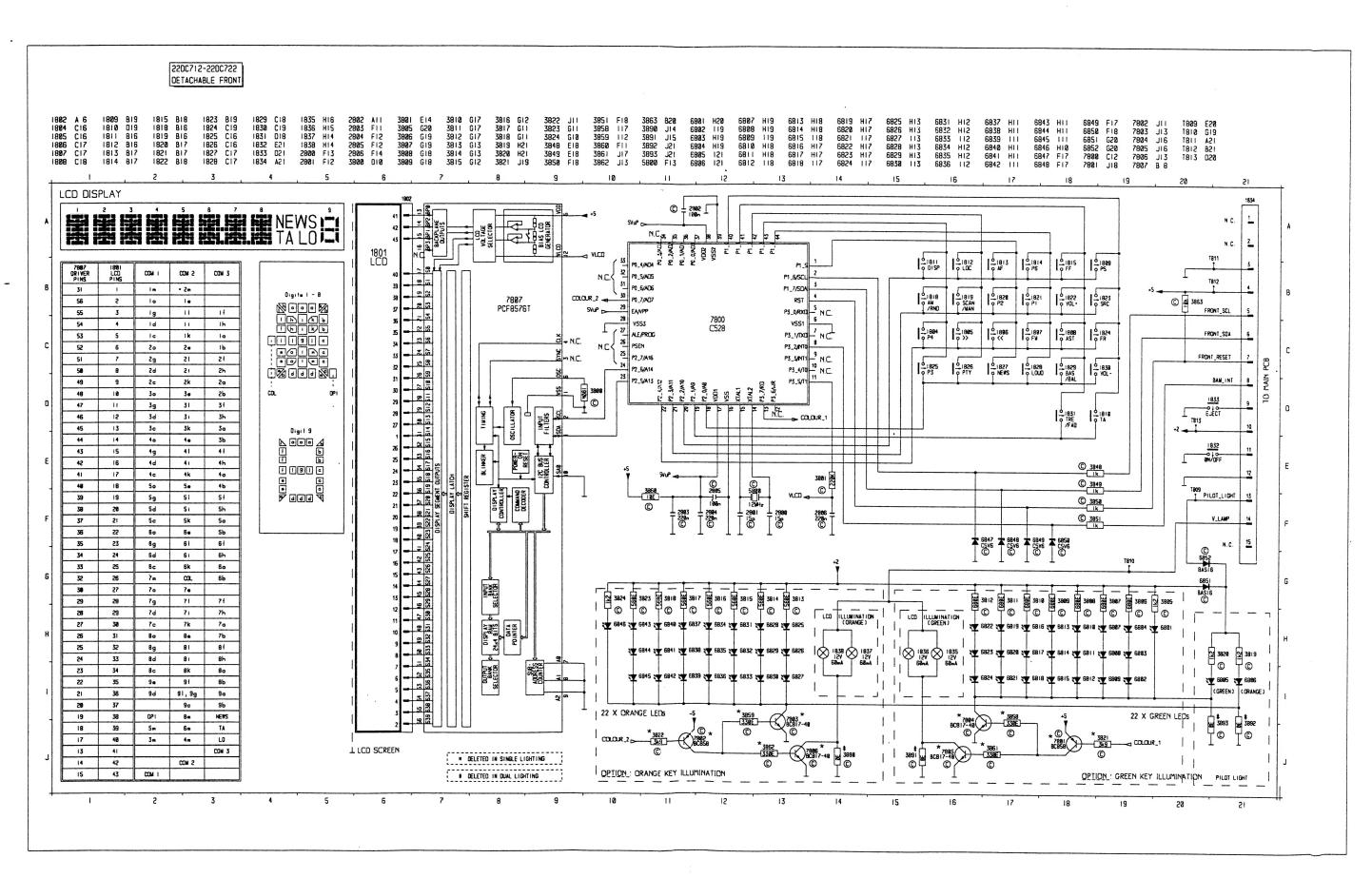


BC857B



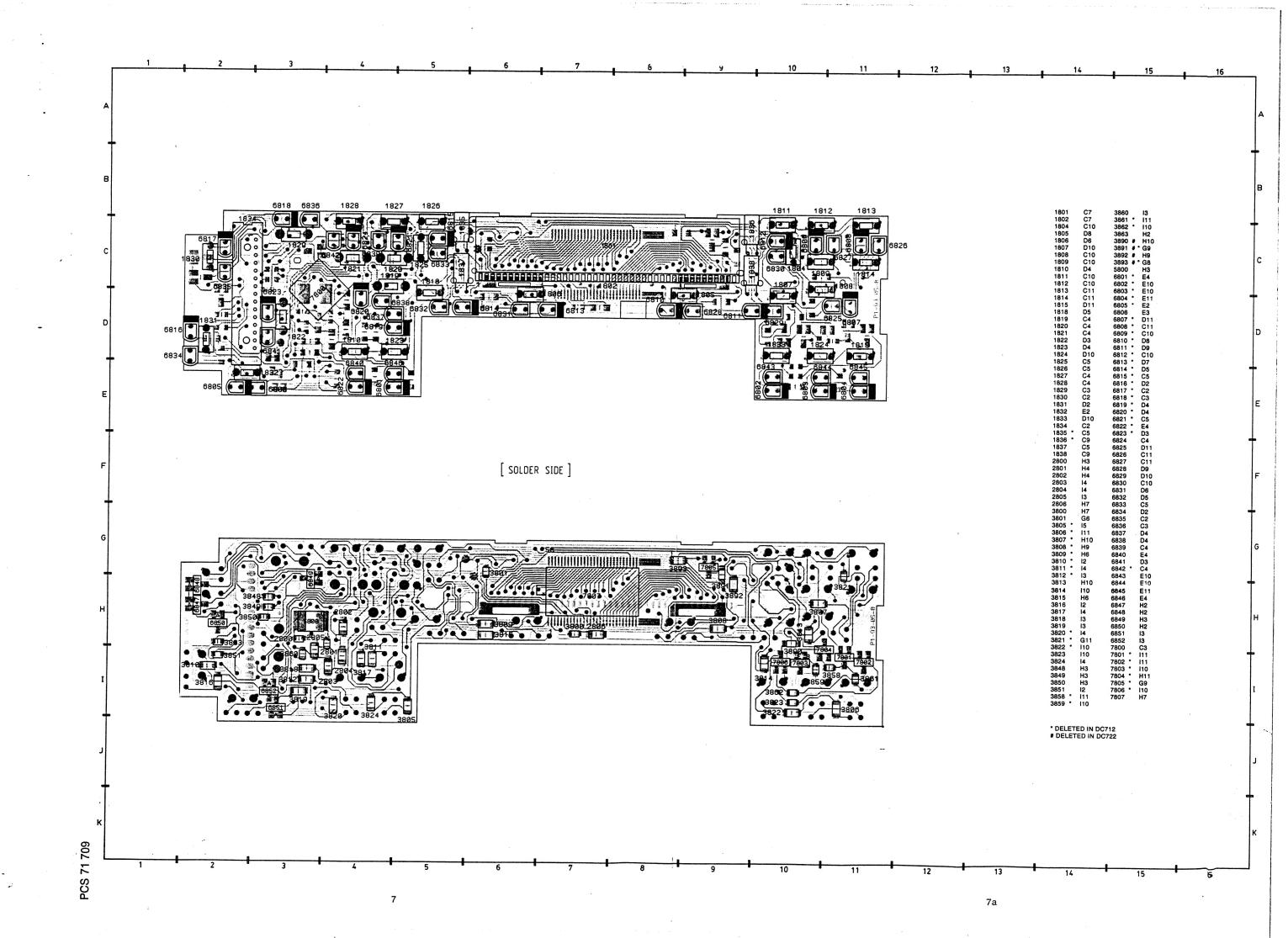






PCS 71 708

6а



DC VOLTAGES

IC91 TUNER MODULE		7601 ST24C16	
1 = 0.5 V 2 = GND 3 = N.C. 4 = N.C. 5 = N.C. 6 = 5.0 V 7 = 8.5 V	11 = 3.2 V 12 = 5.0 V 13 = 5.0 V 14 = 5.0 V 15 = N.C. 16 = 3.8 V 17 = 3.8 V	1 = 5.0 V 2 = 5.0 V 3 = 5.0 V 4 = GND	5 = 5.0 V SDA 6 = 5.0 V SCL 7 = GND 8 = 5.0 V
8 = GND	17 = 3.6 V 18 = 0.0 V	7602 HEF4521	
9 = 5.0 V 10 = 5.1 V	19 = N.C. 20 = N.C.	1 = N.C. 2 = GND 3 = 0.0 V 4 = 4.194 MHz	9 = GND 10 = N.C. 11 = N.C. 12 = N.C.
7257 LA2000		5 = 4.194 MHz 6 = 4.194 MHz	13 = N.C. 14 = 1 Hz _□
1 = 1.8 V 2 = 7.3 V 3 = 2.1 V 4 = N.C.	6 = 5.0 V 7 = N.C. 8 = N.C. 9 = 8.5 V	7 = N.C. 8 = GND	15 = N.C. 16 = 5.0 V
5 = GND		7603 MSM6307GS	
7354 TEA6320		1 = 5.0 V 2 = 5.0 V	17 = 5.0 V 18 = N.C.
1 = 5.0 V 2 = GND 3 = 4.0 V	17 = 3.7 V 18 = 3.8 V	3 = 5.0 V 4 = N.C. 5 = 5.0 V	19 = 2.3 V 20 = 2.3 V 21 = 5.0 V
4 = 3.9 V	19 = 7.6 V 20 = 6.0 V	6 = 5.0 V 7 = 5.0 V	22 = N.C. 23 = 5.0 V
5 = 3.9 V 6 = 3.9 V	21 = 3.9 V	8 = 5.0 V	24 = 5.75 MHz
7 = 3.8 V	22 = N.C. 23 = 3.7 V	9 = 5.0 V 10 = 5.0 V	25 = 5.75 MHz 26 = 4.8 V
8 = 3.5 V 9 = 3.8 V	24 = 3.8 V 25 = 3.5 V	11 = 5.0 V 12 = 5.0 V	27 = 5.0 V
10 = 3.7 V	25 = 3.5 V 26 = 3.9 V	12 = 5.0 V 13 = N.C.	28 = N.C. 29 = 5.0 V
11 = N.C. 12 = 7.6 V	27 = 3.9 V 28 = 3.9 V	14 = 4.9 V SDA 15 = 4.9 V SCL	30 = 5.0 V
13 = 6.0 V	29 = 3.9 V	16 = GND	31 = 5.0 V 32 = 5.0 V
14 = 3.8 V 15 = 3.8 V	30 = 3.9 V 31 = 7.6 V		
16 = 3.7 V	32 = 4.9 V	7800 TDA3602	
		1 = 13.4 V	6 = GND
7355 SAA6579T		2 = 8.5 V	7 = 5.0 V
1 = N.C.	9 = GND	3 = N.C. 4 = 0.6 V	8 = 13.2 V 9 = 5.0 V
2 = 3.1 V 3 = 2.5 V	10 = GND 11 = GND	5 = 5.0 V	C = 0.0 ·
4 = 2.5 V	12 = 4.9 V		
5 = 4.9 V 6 = GND	13 = 4.332 MHz 14 = 4.332 MHz	7862 HEF 4044BT	
7 = 2.3 V	15 = N.C.	1 = 0.0 V	9 = 5.0 V
8 = 2.5 V	16 = 3.5 V	2 = N.C. 3 = 3.5 V	10 = 0.0 V 11 = 4.8 V
		4 = 0.0 V	12 = 5.0 V
7550/7551 TDA7374		5 = 5.0 V 6 = 4.0 V	13 = 5.0 V 14 = 5.0 V
1 = 7.4 V	9 = GND	7 = 5.0 V	15 = 4.0 V
2 = 7.4 V 3 = 14.4 V	10 = 0.2 V 11 =1.0 V	8 =GND	16 = 5.0 V
4 = 1.0 V	12 =1.0 V		
5 = 1.0 V 6 = 1.0 V	13 = 14.4 V 14 = 7.4 V		
7 = 3.5 V	15 = 7.4 V		
8 = Earth			

Check and Alignment

No alignment is needed for radio part. IC91 tuner is pre-aligned.

Dolby alignment:

cassette	adjust	
MTT 150 F = 400 Hz	3260 and	AC voltage at pin 1 & 24 of 7251
200 nWb	3261	= 387.5 mV +/- 50mV

Checks:

Reference oscillator frequencies

device	MSM 6307	83CE558	HEF4521	SAA6579T
pin	24 & 25	51 & 52	4 & 6	13 & 14
frequency	5.75 MHz 0.75%	11.5 MHz 0.5%	4.194304 MHz 20 ppm	4.332 MHz 60 ppm

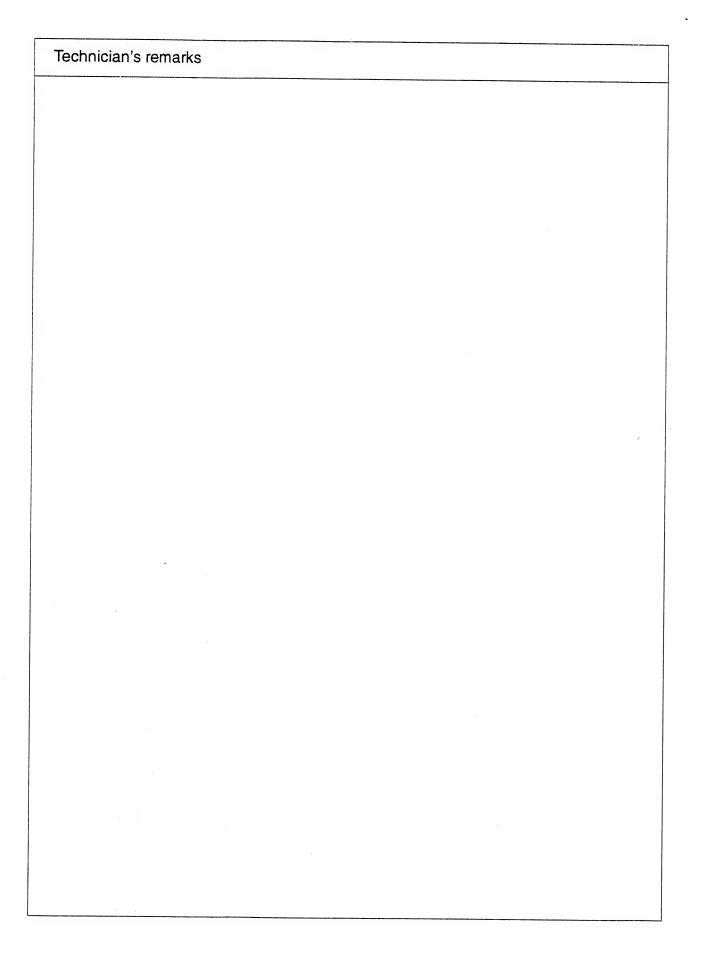
FM mute:

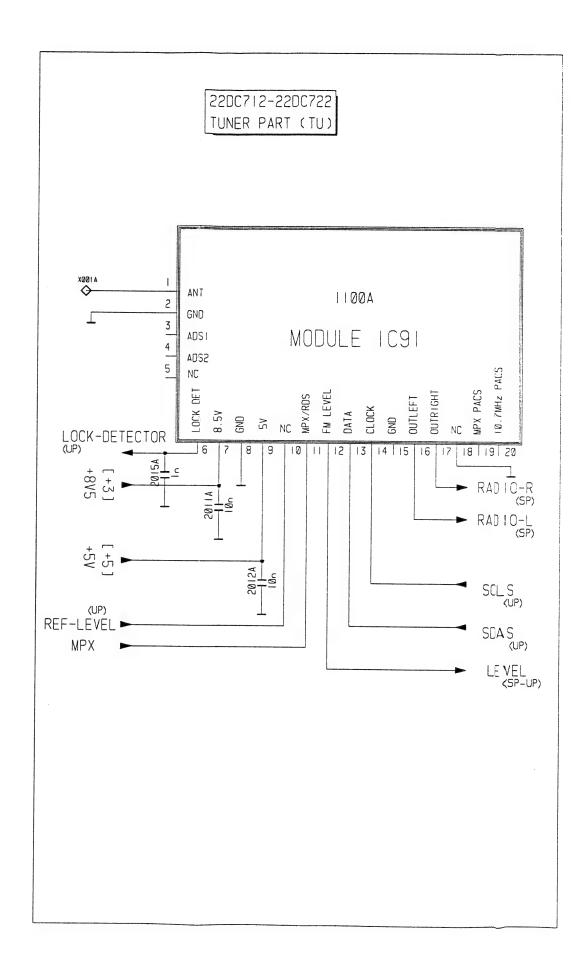
98 MHz 1mV	output at load resistor R & L = 775 mV = REF
no signal	output should be < -24 dB (REF - 24 dB)

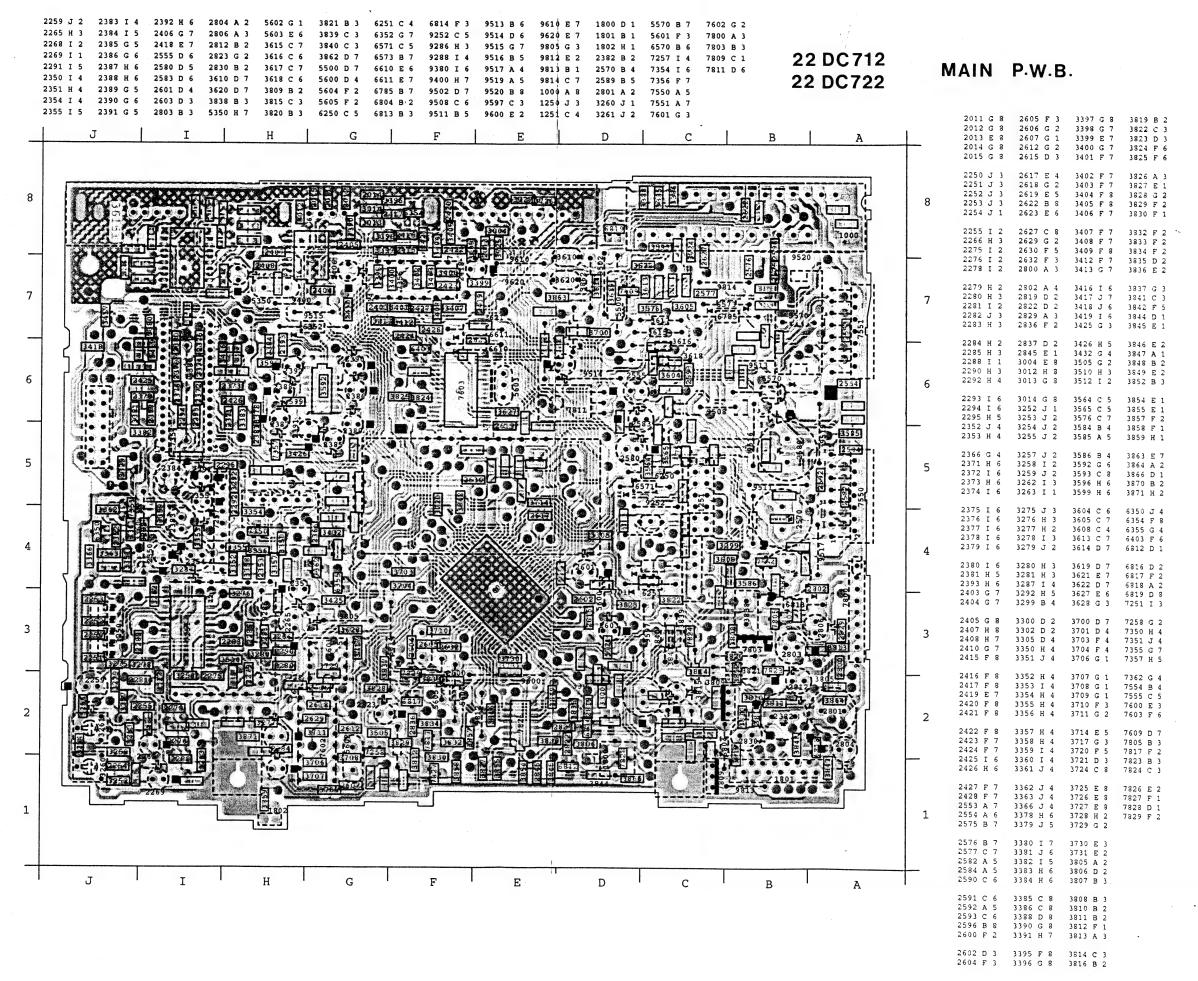
Demodulated FM levels

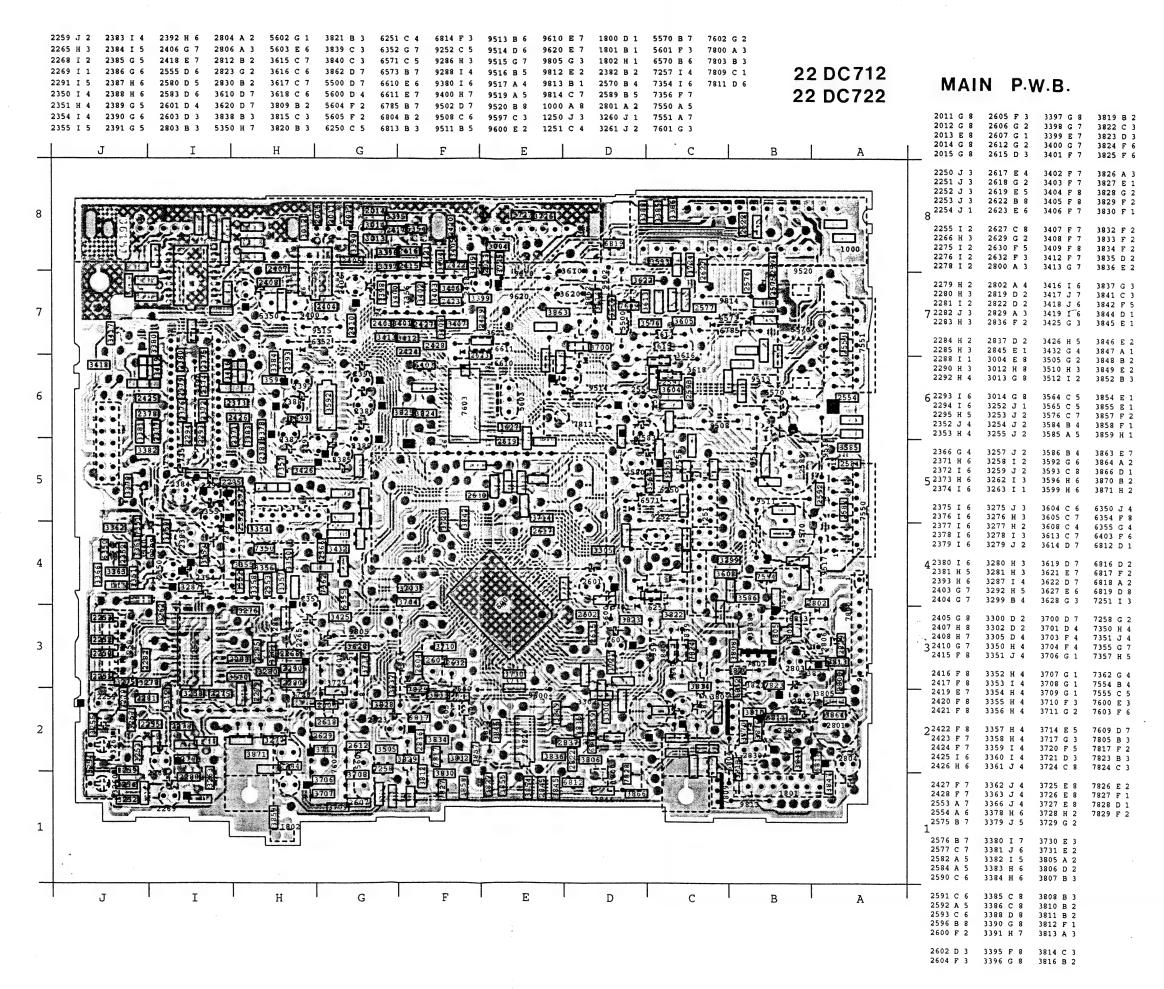
Input	Output of IC91 (pin 16 & 17)
98 MHz	265 mV 30 mV

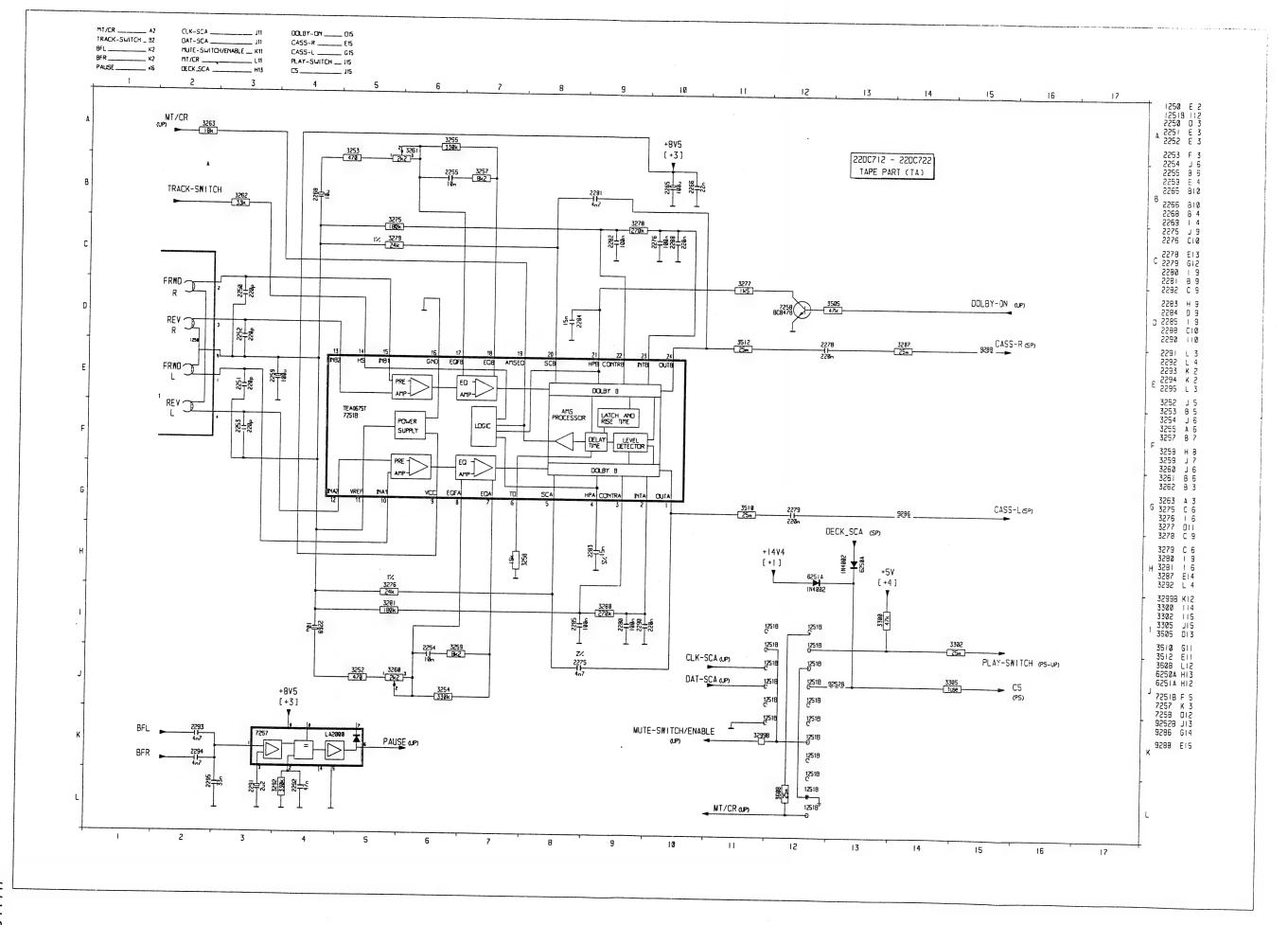
PCS 71 710



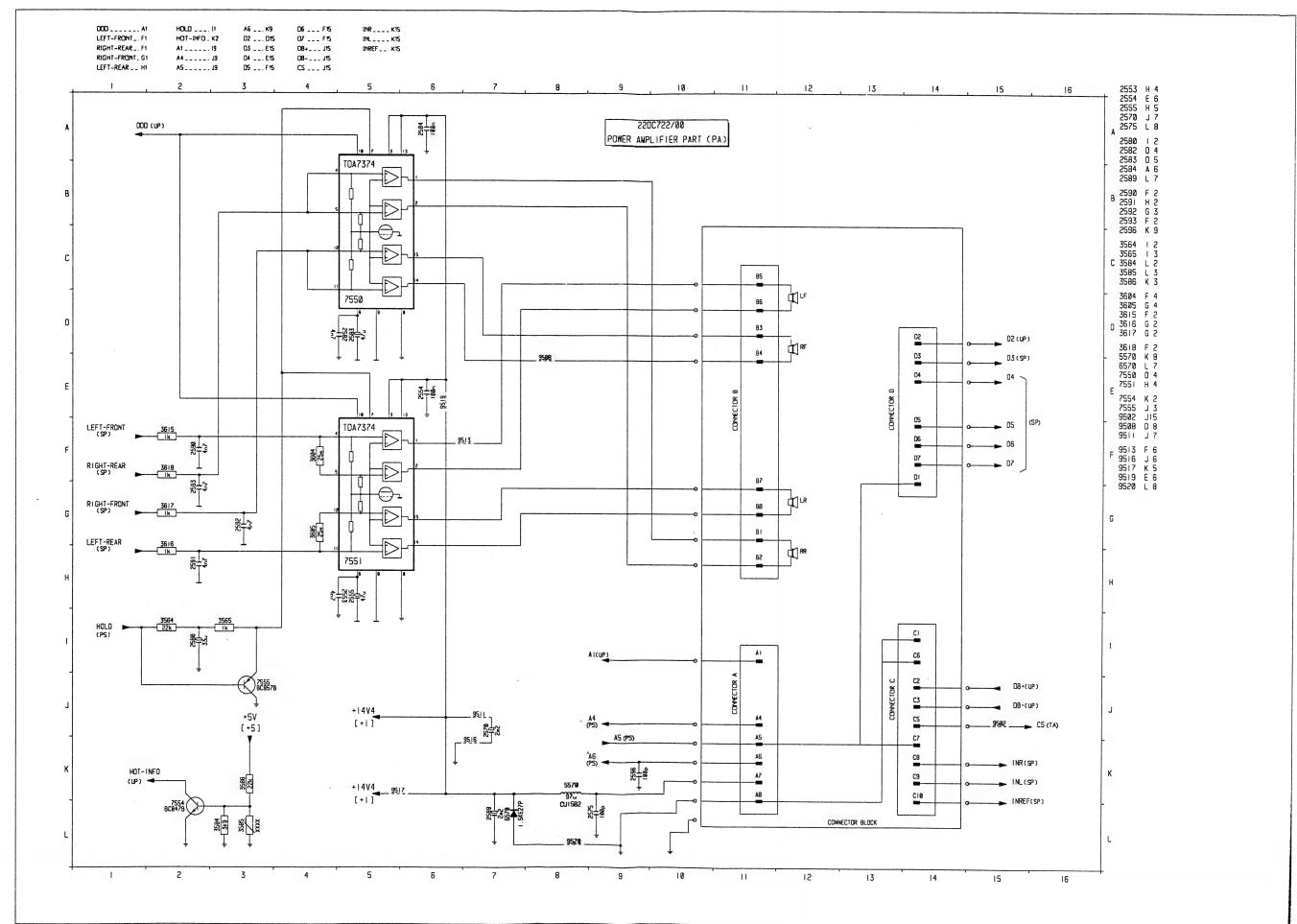


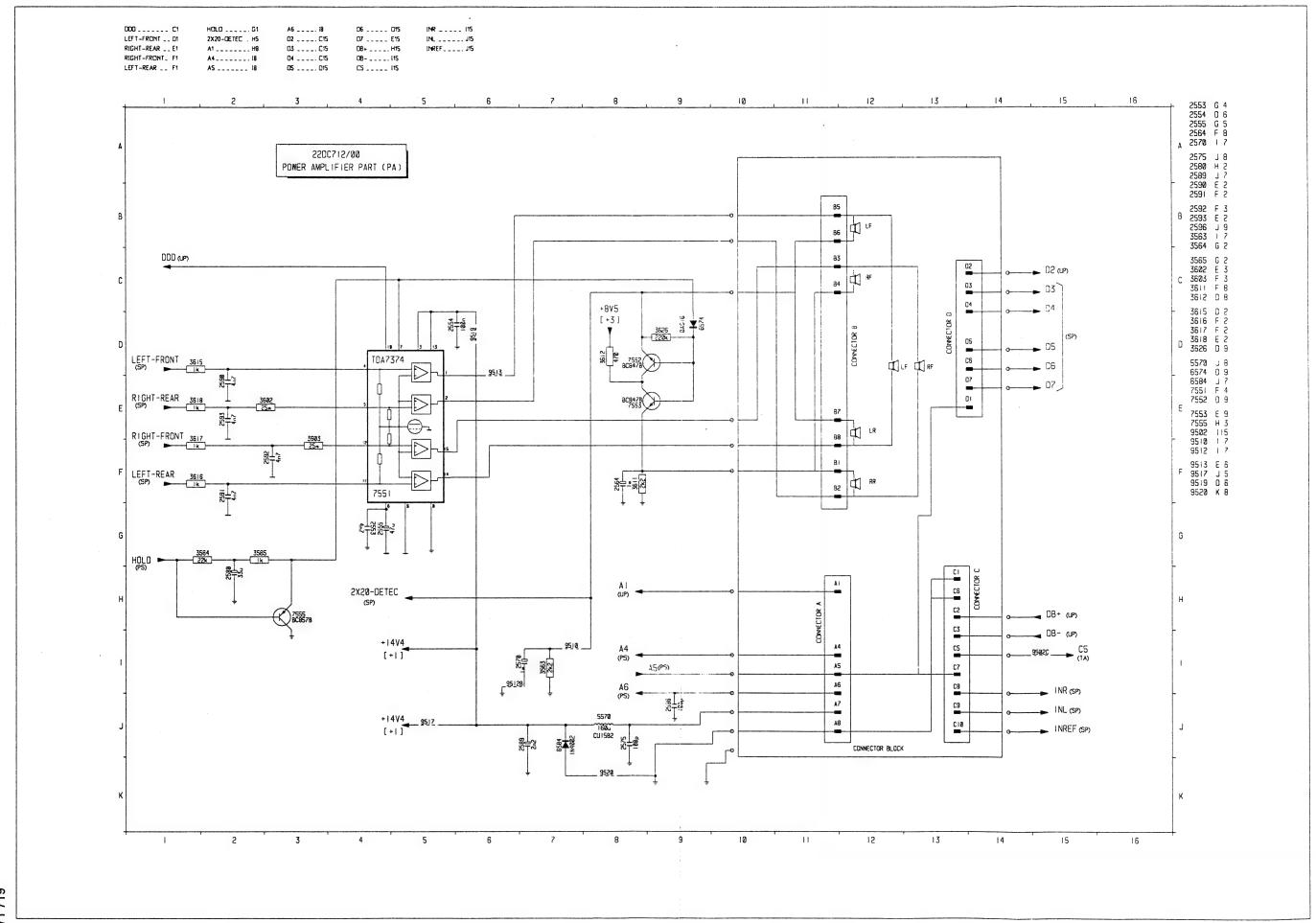


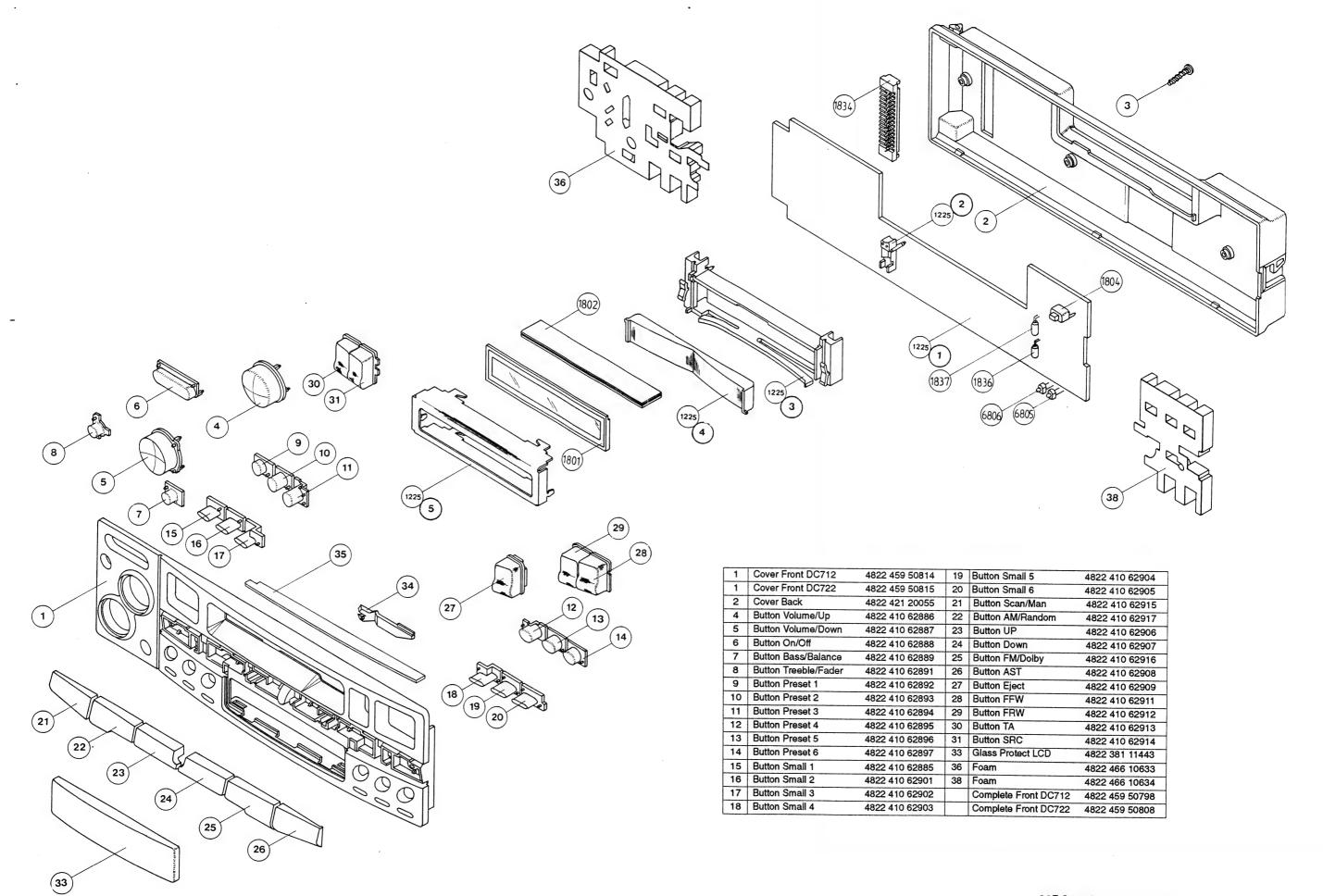




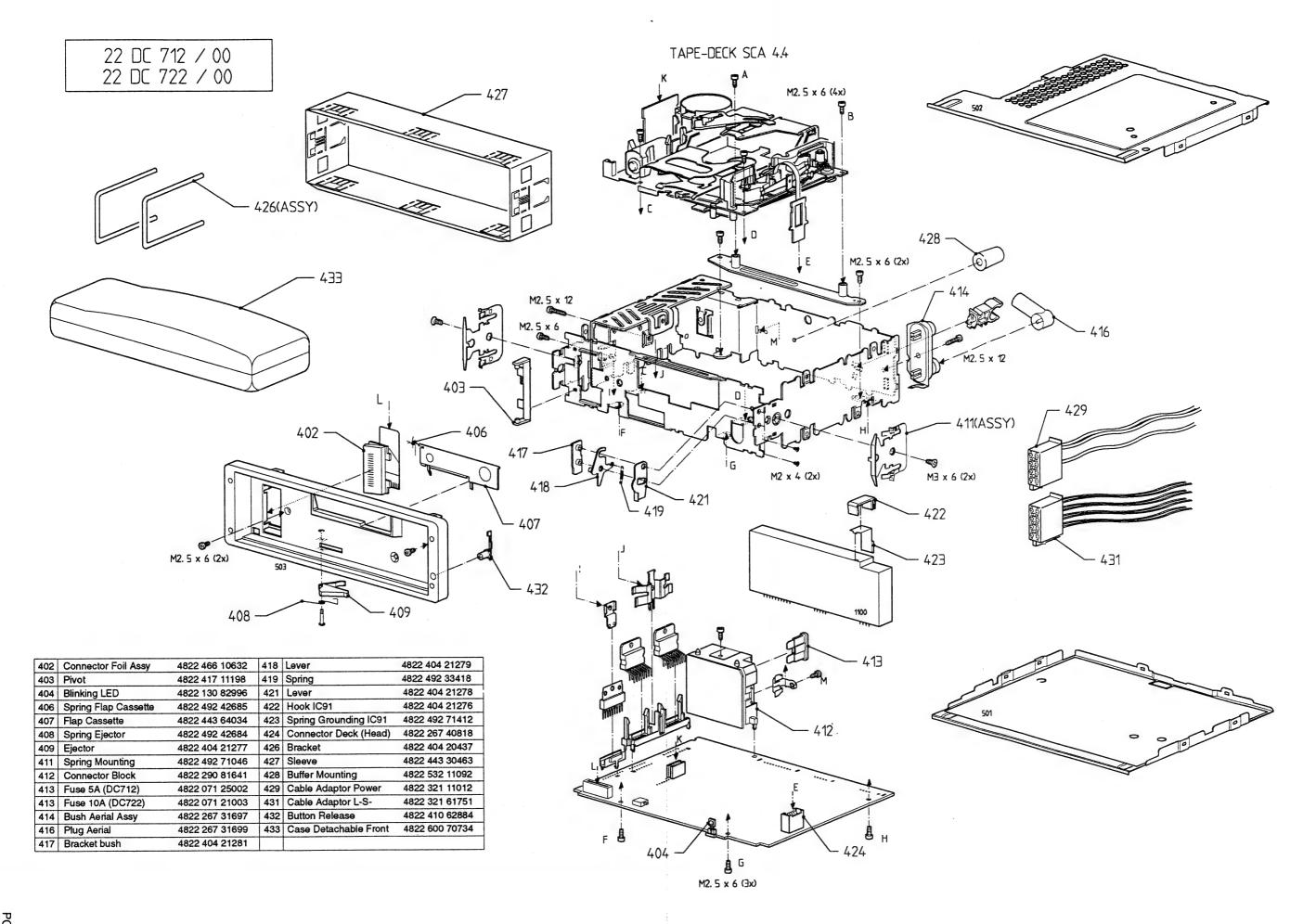
PCS 71 717







22DC712/00 22DC722/00



The	220nF 10% X7R 25V 100nF 10% X7R 63V 4,7nF 2% 100nF 10% X7R 63V 15nF 10% X7R 63V 15nF 10% X7R 63V 100nF 10% X7R 63V 220nF 10% X7R 25V 220nF 10% X7R 25V 220nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 2.2μF 20% 50V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 2.2μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 8,2nF 10% X7R 63V 33nF 10% X7R 63V
1250 4822 267 40818 TCS83S9V1 BURNDY 2280 4822 122 33496 1800 4822 242 81588 CSACS12,0MT FRONT 2281 5322 126 12698 1800 4822 276 13453 SWITCH 2282 4822 122 33496 1801 4822 130 91288 DISPLAY 2283 4822 122 33128 1802 4822 256 30483 LAMP HOLDER 2284 4822 122 33128 1802 4822 267 51286 CONNECTOR FRONT 2285 4822 122 33128 1804 4822 276 13454 SWITCH 2288 4822 122 33496 4822 126 12722 1805 4822 276 13454 SWITCH 2280 4822 126 12722 4822 126 12722 1806 4822 276 13454 SWITCH 2291 4822 124 23504 4822 126 13454 1807 4822 276 13454 SWITCH 2292 4822 122 32542 4822 124 23504 1809 4822 276 13454 SWITCH 2293 5322 126 10223 181 1810 4822 276 13454 SWITCH 2350 4822 124 23504	100nF 10% X7R 63V 4,7nF 2% 100nF 10% X7R 63V 15nF 10% X7R 63V 15nF 10% X7R 63V 100nF 10% X7R 63V 220nF 10% X7R 25V 220nF 10% X7R 25V 2.2μF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 2.2μF 20% 50V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V 33nF 10% X7R 63V 33nF 10% X7R 63V
1800 4822 242 81588 CSACS12,0MT FRONT 2281 5322 126 12698 1800 4822 276 13453 SWITCH 2282 4822 122 33496 1801 4822 130 91288 DISPLAY 2283 4822 122 33128 1802 4822 256 30483 LAMP HOLDER 2284 4822 122 33128 1802 4822 267 51286 CONNECTOR FRONT 2285 4822 122 33128 1804 4822 276 13454 SWITCH 2288 4822 122 33496 1805 4822 276 13454 SWITCH 2290 4822 126 12722 1806 4822 276 13454 SWITCH 2291 4822 124 23504 1807 4822 276 13454 SWITCH 2292 4822 122 32542 1808 4822 276 13454 SWITCH 2293 5322 126 10223 1809 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2350 4822 124 23504 1811 4822 276 13454 SWITCH 2351 4822 124 23504	4,7nF 2% 100nF 10% X7R 63V 15nF 10% X7R 63V 15nF 10% X7R 63V 100nF 10% X7R 63V 220nF 10% X7R 25V 220nF 10% X7R 25V 2.2μF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 2.2μF 20% 50V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V 33nF 10% X7R 63V
1800 4822 276 13453 SWITCH 2282 4822 122 33496 1801 4822 130 91288 DISPLAY 2283 4822 122 33128 1802 4822 256 30483 LAMP HOLDER 2284 4822 122 33128 1802 4822 267 51286 CONNECTOR FRONT 2285 4822 122 33496 1804 4822 276 13454 SWITCH 2288 4822 126 12722 1805 4822 276 13454 SWITCH 2290 4822 126 12722 1806 4822 276 13454 SWITCH 2291 4822 122 32542 1807 4822 276 13454 SWITCH 2293 5322 126 10223 1809 4822 276 13454 SWITCH 2293 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 122 33342 1811 4822 276 13454 SWITCH 2351 4822 122 33342 1811 4822 276 13454 SWITCH 2351 4822 122 34123 1814 4822 2	100nF 10% X7R 63V 15nF 10% X7R 63V 15nF 10% X7R 63V 100nF 10% X7R 63V 220nF 10% X7R 25V 220nF 10% X7R 25V 2.2μF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 2.2μF 20% 50V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V 33nF 10% X7R 63V
1801 4822 130 91288 DISPLAY 2283 4822 122 33128 1802 4822 256 30483 LAMP HOLDER 2284 4822 122 33128 1802 4822 267 51286 CONNECTOR FRONT 2285 4822 122 33496 1804 4822 276 13454 SWITCH 2288 4822 126 12722 1805 4822 276 13454 SWITCH 2290 4822 126 12722 1806 4822 276 13454 SWITCH 2291 4822 122 32542 1807 4822 276 13454 SWITCH 2292 4822 122 32542 1808 4822 276 13454 SWITCH 2293 5322 126 10223 1810 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2351 4822 122 33423 1814 4822 276 13454 SWITCH 2351 4822 122 34123 1815 4822 2	15nF 10% X7R 63V 15nF 10% X7R 63V 100nF 10% X7R 63V 220nF 10% X7R 25V 220nF 10% X7R 25V 2.2μF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V 33nF 10% X7R 63V
1802	15nF 10% X7R 63V 100nF 10% X7R 63V 220nF 10% X7R 25V 220nF 10% X7R 25V 2.2μF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 8,2nF 10% X7R 63V 20nF 10% X7R 63V 33nF 10% X7R 63V
1802 4822 267 51286 CONNECTOR FRONT 2285 4822 122 33496 1804 4822 276 13454 SWITCH 2288 4822 126 12722 1805 4822 276 13454 SWITCH 2290 4822 126 12722 1806 4822 276 13454 SWITCH 2291 4822 124 23504 1807 4822 276 13454 SWITCH 2292 4822 122 32542 1808 4822 276 13454 SWITCH 2293 5322 126 10223 1809 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2351 4822 124 23504 1814 4822 276 13454 SWITCH 2351 4822 122 34123 1815 4822 276 13454 SWITCH 2353 5322 122 34123 1816 4822 276 13454 SWITCH 2354 4822 124 41017 1819 <	100nF 10% X7R 63V 220nF 10% X7R 25V 220nF 10% X7R 25V 2.2μF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V 33nF 10% X7R 63V
1802 4822 267 51286 CONNECTOR FRONT 2285 4822 122 33496 1804 4822 276 13454 SWITCH 2288 4822 126 12722 1805 4822 276 13454 SWITCH 2290 4822 126 12722 1806 4822 276 13454 SWITCH 2291 4822 124 23504 1807 4822 276 13454 SWITCH 2292 4822 122 32542 1808 4822 276 13454 SWITCH 2293 5322 126 10223 1809 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2351 4822 124 23504 1814 4822 276 13454 SWITCH 2351 4822 122 34123 1815 4822 276 13454 SWITCH 2353 5322 122 34123 1816 4822 276 13454 SWITCH 2354 4822 124 41017 1819 <	100nF 10% X7R 63V 220nF 10% X7R 25V 220nF 10% X7R 25V 2.2μF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V 33nF 10% X7R 63V
1804 4822 276 13454 SWITCH 2288 4822 126 12722 1805 4822 276 13454 SWITCH 2290 4822 126 12722 1806 4822 276 13454 SWITCH 2291 4822 124 23504 1807 4822 276 13454 SWITCH 2292 4822 122 32542 1808 4822 276 13454 SWITCH 2293 5322 126 10223 1809 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2351 4822 124 23504 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454	220nF 10% X7R 25V 220nF 10% X7R 25V 220nF 10% X7R 25V 2.2µF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2µF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47µF 20% 16V 10µF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V
1805 4822 276 13454 SWITCH 2290 4822 126 12722 1806 4822 276 13454 SWITCH 2291 4822 124 23504 1807 4822 276 13454 SWITCH 2292 4822 122 32542 1808 4822 276 13454 SWITCH 2293 5322 126 10223 1809 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2351 4822 124 23504 1814 4822 276 13454 SWITCH 2351 4822 122 334123 1815 4822 276 13454 SWITCH 2353 5322 122 34123 1816 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454	220nF 10% X7R 25V 2.2µF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2µF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47µF 20% 16V 10µF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 100nF 10% X7R 63V 33nF 10% X7R 63V
1806 4822 276 13454 SWITCH 2291 4822 124 23504 1807 4822 276 13454 SWITCH 2292 4822 122 32542 1808 4822 276 13454 SWITCH 2293 5322 126 10223 1809 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2352 5322 122 34123 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454	2.2µF 20% 50V 47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2µF 20% 50V 2.2µF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47µF 20% 16V 10µF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V
1807 4822 276 13454 SWITCH 2292 4822 122 32542 1808 4822 276 13454 SWITCH 2293 5322 126 10223 1809 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2352 5322 122 34123 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2354 4822 124 21017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454	47nF 10% X7R 63V 4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V
1808 4822 276 13454 SWITCH 2293 5322 126 10223 1809 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2352 5322 122 34123 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342	4,7nF 10% X7R 63V 4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 100nF 10% X7R 63V 33nF 10% X7R 63V
1809 4822 276 13454 SWITCH 2294 5322 126 10223 1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2352 5322 122 34123 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	4,7nF 10% X7R 63V 33nF 10% X7R 63V 2.2μF 20% 50V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 33nF 10% X7R 63V
1810 4822 276 13454 SWITCH 2295 4822 122 33342 1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2352 5322 122 34123 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	33nF 10% X7R 63V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 100nF 10% X7R 63V 33nF 10% X7R 63V
1811 4822 276 13454 SWITCH 2350 4822 124 23504 1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2352 5322 122 34123 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	2.2μF 20% 50V 2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 100nF 10% X7R 63V 33nF 10% X7R 63V
1812 4822 276 13454 SWITCH 2351 4822 124 23504 1813 4822 276 13454 SWITCH 2352 5322 122 34123 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	2.2μF 20% 50V 1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 100nF 10% X7R 63V 33nF 10% X7R 63V
1813 4822 276 13454 SWITCH 2352 5322 122 34123 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 100nF 10% X7R 63V 33nF 10% X7R 63V
1813 4822 276 13454 SWITCH 2352 5322 122 34123 1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	1nF 10% X7R 50V 1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 63V 100nF 10% X7R 63V 33nF 10% X7R 63V
1814 4822 276 13454 SWITCH 2353 5322 122 34123 1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	1nF 10% X7R 50V 47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 25V 100nF 10% X7R 63V 33nF 10% X7R 63V
1815 4822 276 13454 SWITCH 2354 4822 124 22646 1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	47μF 20% 16V 10μF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 25V 100nF 10% X7R 63V 33nF 10% X7R 63V
1818 4822 276 13454 SWITCH 2355 4822 124 41017 1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	10µF 16V 22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 25V 100nF 10% X7R 63V 33nF 10% X7R 63V
1819 4822 276 13454 SWITCH 2366 5322 122 32654 1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	22nF 10% X7R 63V 8,2nF 10% X7R 63V 220nF 10% X7R 25V 100nF 10% X7R 63V 33nF 10% X7R 63V
1820 4822 276 13454 SWITCH 2371 4822 126 10525 1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	8,2nF 10% X7R 63V 220nF 10% X7R 25V 100nF 10% X7R 63V 33nF 10% X7R 63V
1821 4822 276 13454 SWITCH 2372 4822 126 12722 1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	220nF 10% X7R 25V 100nF 10% X7R 63V 33nF 10% X7R 63V
1822 4822 276 13454 SWITCH 2373 4822 122 33496 1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	100nF 10% X7R 63V 33nF 10% X7R 63V
1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	33nF 10% X7R 63V
1823 4822 276 13454 SWITCH 2374 4822 122 33342 1824 4822 276 13454 SWITCH 2375 4822 122 32646	
	5.0=5.400/ YZD 50V
	5,6nF 10% X7R 50V
1825 4822 276 13454 SWITCH 2376 4822 126 12722	220nF 10% X7R 25V
1826 4822 276 13454 SWITCH 2377 4822 126 10525	8,2nF 10% X7R 63V
1827 4822 276 13454 SWITCH 2378 4822 122 33496	100nF 10% X7R 63V
1828 4822 276 13454 SWITCH 2379 4822 122 33342	33nF 10% X7R 63V
4000 400 400 4	F.C F. 400/ Y7D FOV
1829 4822 276 13454 SWITCH 2380 4822 122 32646	5,6nF 10% X7R 50V
1830 4822 276 13454 SWITCH 2381 5322 122 34098	10nF 10% X7R 63V
1831 4822 276 13454 SWITCH 2382 4822 124 40201	1000μF 20% 16V
1832 4822 276 13454 SWITCH 2383 4822 124 22646	47μF 20% 16V
1833 4822 276 13454 SWITCH 2384 4822 124 80453	100μF 20% 10V
1835 4822 134 41158 LAMP GREEN 2385 4822 124 23504	2.2μF 20% 50V
1836 4822 134 41158 LAMP GREEN 2386 4822 124 23504	2.2μF 20% 50V
1837 4822 134 41157 HRS-7219 ASSY 2387 4822 124 23504	2.2μF 20% 50V
1838 4822 134 41157 HRS-7219 ASSY 2388 4822 124 23504	2.2μF 20% 50V
2389 4822 124 41017	10μF 16V
- 1- 2390 4822 124 41017	10μF 16V
2011 5322 122 34098 10nF 10% X7R 63V 2391 4822 124 41017	10μF 16V
2012 5322 122 34098 10nF 10% X7R 63V 2392 4822 124 41017	10μF 16V
2013 5322 126 10223 4,7nF 10% X7R 63V 2393 5322 126 10223	4,7nF 10% X7R 63V
2014 5322 126 10223 4,7nF 10% X7R 63V 2403 5322 122 32448	10pF 5% 50V
2015 5322 122 34123 1nF 10% X7R 50V	10p1 370 30 V
2404 4822 126 12722	220nF 10% X7R 25V
2250 4822 122 33575 220pF 5% NPO 50V 2405 5322 116 80853	560pF 5% NP0 63V
2251 4822 122 33575 220pF 5% NPO 50V 2406 4822 124 23504	2.2µF 20% 50V
2252 4822 122 33575 220pF 5% NPO 50V 2407 5322 122 32452	47pF 5% NP0 63V
2253 4822 122 33575 220pF 5% NPO 50V 2408 4822 122 33515	82pF 5% NP0 63V
2254 5322 122 34098 10nF 10% X7R 63V	
2255 5322 122 34098 10nF 10% X7R 63V 2410 5322 122 31863	330pF 5% NP0 50V
2250 4922 124 90453 100uF 20% 10V	1.2nF 10% X7R 50V
2410 5322 122 3 1003	1,5nF 10% X7R 63V
2265 4822 124 80453 100µF 20% 10V 2417 5322 122 34098	10nF 10% X7R 63V
2266 5322 122 32654 22nF 10% X7R 63V 2418 4822 124 23401	4.7μF 20% 25V
2268 4822 124 41017 10μF 16V	000-E 409/ V7D 05//
2269 4822 124 41017 10μF 16V 2419 4822 126 12722	220nF 10% X7R 25V
2420 5322 122 55556	150pF 2% NP0 63V
2276 4822 122 33496 100nF 10% Y7R 63V	150pF 2% NP0 63V
2279 4922 126 12722 220nF 10% Y7D 25V	150pF 2% NP0 63V
2423 5322 122 33538	150pF 2% NP0 63V

4F			41-		
424	5322 122 34123	1nF 10% X7R 50V	2830	4822 124 22646	47μF 20% 16V
425	4822 122 32542	47nF 10% X7R 63V	2836	5322 126 10223	4,7nF 10% X7R 63V
426	4822 122 32542	47nF 10% X7R 63V	2837	4822 122 33342	
427					33nF 10% X7R 63V
	4822 122 33172	390pF 5% NP0 50V	2845	5322 122 34098	10nF 10% X7R 63V
2428	5322 122 32654	22nF 10% X7R 63V			
2553	5322 126 10223	4,7nF 10% X7R 63V			
554	4822 122 33496	100nF 10% X7R 63V	3004	4822 051 20223	22K 5% 0,1W
2555			3012	4822 051 20102	1K 5% 0,1W
	5322 124 41938	47μF 6V3	3013	4822 051 20223	22K 5% 0,1W
2564	4822 124 40201	1000 μF 20%	3014	4822 051 20104	100K 5% 0,1W
2570	4822 124 80719	2200μF 20% 16V	3252	4822 051 20471	470Ω 5% 0,1W
2570	4822 124 40201	1000 μF 20% DC712			77 022 0 70 0, 1 77
		•	3253	4822 051 20471	470Ω 5% 0,1W
2575	5322 122 32531	100pF 5% NP0 50V	3254	4822 051 20334	330K 5% 0,1W
2576	5322 122 32531	100pF 5% NP0 50V	3255	4822 051 20334	330K 5% 0,1W
2577	5322 126 10223	4,7nF 10% X7R 63V			· ·
2580	4822 124 23281	33μF 20% 16V	3257 3258	4822 051 20822 4822 051 20153	8K20 5% 0,1W 15K 5% 0,1W
2502	E200 106 10000	4.7=E 100/ V7D 001/	0200	4022 001 20 100	1517 5 /6 0, 1 44
2582 2583	5322 126 10223 5322 124 41938	4,7nF 10% X7R 63V 47μF 6V3	3259	4822 051 20822	8K20 5% 0,1W
2584		47μF 6V3 100nF 10% X7R 63V	3260	4822 100 11212	2K2 30%lin 0,1W
	4822 122 33496		3261	4822 100 11212	2K2 30%lin 0,1W
2589	4822 124 80719	2200μF 20% 16V	3262	4822 051 20333	33K 5% 0,1W
2590	5322 126 10223	4,7nF 10% X7R 63V	3263	4822 051 20183	18K 5% 0,1W
2504	E200 106 10000	4.7nE 109/ V7D co./	-200	.522 551 25100	1011 0 /0 0, 1 11
2591	5322 126 10223	4,7nF 10% X7R 63V	3275	4822 051 20184	180K 5% 0.1W
2592	5322 126 10223	4,7nF 10% X7R 63V	3276	4822 117 10507	24K 1% 0.1W
2593	5322 126 10223	4,7nF 10% X7R 63V	3277	4822 051 20152	1K50 5% 0,1W
2596	5322 122 32531	100pF 5% NP0 50V			
2600	5322 122 34123	1nF 10% X7R 50V	3278 3279	4822 051 20274 4822 117 10507	270K 5% 0,1W 24K 1% 0,1W
0604	E200 104 41000	47E 6V2	02.70	TOLL 117 10007	2711 1/0 U. 144
2601	5322 124 41938	47μF 6V3	3280	4822 051 20274	270K 5% 0,1W
2602	4822 122 33496	100nF 10% X7R 63V	3281	4822 051 20184	180K 5% 0,1W
2603	4822 124 41017	10μF 16V	3287	4822 051 20008	0Ω JUMP. (0805)
2604	5322 122 32658	22pF 5% 50V	3292		
2605	5322 122 32452	47pF 5% NP0 63V	3292	4822 051 20334 4822 051 20008	330K 5% 0,1W 0Ω JUMP. (0805)
ene.	4900 100 22406	100-E 109/ YZD 00V	0200	4022 001 20000	032 001111 : (00003)
2606	4822 122 33496	100nF 10% X7R 63V	3300	4822 051 20473	47K 5% 0,1W
2607	4822 122 33515	82pF 5% NP0 63V	3302	4822 051 20008	0Ω JUMP. (0805)
2612	5322 122 32658	22pF 5% 50V	3305		· ·
2615	4822 122 33342	33nF 10% X7R 63V		4822 117 10508	1Ω 5%
2617	4822 122 33342	33nF 10% X7R 63V	3350 3351	4822 051 20472	4K70 5% 0,1W
	5000 100 00001		3331	4822 051 20472	4K70 5% 0,1W
2618	5322 122 32654	22nF 10% X7R 63V	3352	4822 051 20109	10Ω 5% 0,1W
2619	4822 122 33496	100nF 10% X7R 63V			
2622	5322 122 34123	1nF 10% X7R 50V	3353	4822 051 20153	15K 5% 0,1W
2623	4822 122 33496	100nF 10% X7R 63V	3354	4822 051 20472	4K70 5% 0,1W
2627	5322 122 34123	1nF 10% X7R 50V	3355	4822 051 20473	47K 5% 0,1W
			3356	4822 051 20101	100Ω 5% 0,1W
2629	5322 126 10223	4,7nF 10% X7R 63V	2257	4900 054 00000	01/00 501 0 4111
2630	5322 122 34123	1nF 10% X7R 50V	3357	4822 051 20222	2K20 5% 0,1W
2632	5322 122 32268	470pF 10% 50V	3358	4822 051 20393	39K 5% 0,1W
2800	4822 122 32542	47nF 10% X7R	3359	4822 051 20472	4K70 5% 0,1W
2800	5322 122 33869	15pF 5% NP0 FRONT	3360	4822 051 20473	47K 5% 0,1W
	3322 IZE 30003	TOP SAME TROM	3361	4822 051 20101	100Ω 5% 0,1W
2801	4822 124 40201	1000μF 20% 16V			-14-
2801	5322 122 33869	15pF 5% NP0 FRONT	3362	4822 051 20222	2K20 5% 0,1W
2802	4822 126 12722	220nF 10% X7R	3363	4822 051 20393	39K 5% 0,1W
2802	4822 126 12783	100nF 10% 25V FRONT	3366	4822 051 20222	2K20 5% 0,1W
2803			3378	4822 051 20222	2K20 5% 0,1W
2003	4822 124 22646	47μF 20% 16V	3379	4822 051 20102	1K 5% 0,1W
2803	4822 126 12722	220nF 10% X7R FRONT			,
2804	4822 126 12722	220nF 10% X7R FRONT	3380	4822 051 20102	1K 5% 0,1W
2804	5322 124 41938	47μF 6V3	3381	4822 051 20223	22K 5% 0,1W
		•	3382	4822 051 20222	2K20 5% 0,1W
2805	4822 126 12783	100nF 10% 25V	3383	4822 051 20223	22K 5% 0,1W
2806	4822 124 22861	47μF 16V	3384	4822 051 20103	10K 5% 0,1W
2812	5322 124 41938	47μF 6V3			
2819	5322 124 41936	22nF 10% X7R 63V	3385	4822 051 20103	10K 5% 0,1W
2822			3386	4822 051 20103	10K 5% 0,1W
2823	5322 122 34098	10nF 10% X7R 63V	3388	4822 051 20103	10K 5% 0,1W
6063	4822 124 41017	10µF 16V	3390	4822 051 20109	10Ω 5% 0,1W
829	5322 122 32654	22nF 10% X7R 63V	3330		

22DC712/00 22DC722/00

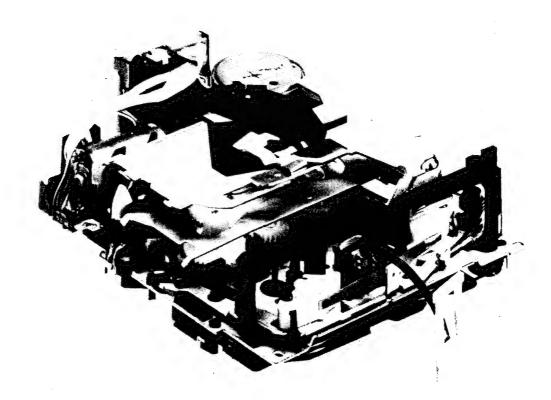
6828 4822 6839 4822 6831 4822 6831 4822 6833 4822 6833 4822 6834 4822 6835 4822 6836 4822 6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7257 4822 7356 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 5322 7360 5322 7551 4822 7555 5322 7602 5322 7603 4822 7609 4822	130 82989 130 82	TLH02400AS-12Z			4822 130 40982 4822 130 60511 4822 130 60511 4822 130 60511 4822 209 10305 5322 130 60508 5322 130 60508 5322 130 60508 The service code of e EEprom pos 7601 will Newsletter or Service In	I be issued in the	•
6828 4822 6839 4822 6830 4822 6831 4822 6831 4822 6833 4822 6834 4822 6835 4822 6836 4822 6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7257 4822 7257 4822 7356 4822 7356 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 5322 7357 4822 7357 4822 7356 5322 7357 4822 7356 5322 7357 4822 7357 7362 7360 7360 7360 7360 7360 7360 7360 7360	130 82989 130 80125 130 80	TLH02400AS-12Z		7817 7823 7824 7826 7827 7828 7829 NOTA and of the	4822 130 60511 4822 130 60511 4822 130 60511 4822 209 10305 5322 130 60508 5322 130 60508 5322 130 60508 The service code of e EEprom pos 7601 will	BC847B BC847B BC847B HEF4044BT BC857B BC857B BC857B	•
6828	130 82989 130 80125 130 80	TLH02400AS-12Z		7817 7823 7824 7826 7827 7828 7829 NOTA and of the	4822 130 60511 4822 130 60511 4822 130 60511 4822 209 10305 5322 130 60508 5322 130 60508 5322 130 60508 The service code of e EEprom pos 7601 will	BC847B BC847B BC847B HEF4044BT BC857B BC857B BC857B	•
6829 4822 6830 4822 6831 4822 6831 4822 6833 4822 6834 4822 6835 4822 6836 4822 6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6850 4822 6851 5322 6852 5322 **Comparison of the comparison of the comp	130 82989 130 80125 130 80	TLH02400AS-12Z		7823 7824 7826 7827 7828 7829 NOTA and of the	4822 130 60511 4822 130 60511 4822 209 10305 5322 130 60508 5322 130 60508 5322 130 60508 The service code of e EEprom pos 7601 will	BC847B BC847B HEF4044BT BC857B BC857B BC857B BC857B	•
6830 4822 6831 4822 6831 4822 6833 4822 6834 4822 6835 4822 6836 4822 6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7257 4822 7356 4822 7356 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 7362 7360 7360 7360 7360 7360 7360 7360 7360	130 82989 130 8125 130 801	TLH02400AS-12Z		7824 7826 7827 7828 7829 NOTA and of the	4822 130 60511 4822 209 10305 5322 130 60508 5322 130 60508 5322 130 60508 The service code of e EEprom pos 7601 will	BC847B HEF4044BT BC857B BC857B BC857B the microcontrollibe issued in the	•
6831 4822 6832 4822 6833 4822 6834 4822 6835 4822 6836 4822 6837 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7356 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 7362 7363	130 82989 130 8125 130 801	TLH02400AS-12Z		7826 7827 7828 7829 NOTA and of the	4822 209 10305 5322 130 60508 5322 130 60508 5322 130 60508 The service code of e EEprom pos 7601 will	HEF4044BT BC857B BC857B BC857B the microcontrollibe issued in the	•
6832 4822 6833 4822 6834 4822 6835 4822 6836 4822 6837 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6850 4822 6850 4822 6851 5322 6852 5322 7251 4822 7356 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 742	130 82989 130 80125 130 80	TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16		7827 7828 7829 NOTA and of the	5322 130 60508 5322 130 60508 5322 130 60508 The service code of e EEprom pos 7601 will	BC857B BC857B BC857B the microcontrollibe issued in the	•
6833 4822 6834 4822 6835 4822 6836 4822 6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6850 4822 6850 4822 6851 5322 6852 5322 7251 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7357 4822 7357 4822 7356 4822 7357 7357 737	130 82989 130 80125 130 80	TLH02400AS-12Z		7828 7829 NOTA and of the	5322 130 60508 5322 130 60508 The service code of e EEprom pos 7601 will	BC857B BC857B the microcontrollibe issued in the	•
6834 4822 6835 4822 6836 4822 6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7354 4822 7355 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7360 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	130 82989 130 80125 130 80	TLH02400AS-12Z		7829 NOTA and of the	5322 130 60508 The service code of e EEprom pos 7601 will	BC857B the microcontrolled be issued in the	•
6835 4822 6836 4822 6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6845 4822 6846 4822 6850 4822 6850 4822 6851 5322 6852 5322 7257 4822 7356 4822 7351 4822 7355 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7360 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	130 82989 130 80125 130 80	TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16		NOTA and of the	The service code of e EEprom pos 7601 will	the microcontrolle	•
6835 4822 6836 4822 6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6842 4822 6844 4822 6844 4822 6846 4822 6847 4822 6848 4822 6850 4822 6850 4822 6851 5322 6852 5322 7257 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7360 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	130 82989 130 80125 130 80	TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16		NOTA and of the	The service code of e EEprom pos 7601 will	the microcontrolle	•
6836 4822 6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6844 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6851 5322 6852 5322 7257 4822 7351 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822 7360 4822 7554 4822 7555 5322 7602 5322 7603 4822 7800 4822	130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 80125 130 80	TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16		and of the	e EEprom pos 7601 will	I be issued in the	•
6837 4822 6838 4822 6839 4822 6840 4822 6841 4822 6842 4822 6843 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6850 4822 6850 4822 6851 5322 6852 5322 7251 4822 7353 4822 7354 4822 7355 4822 7356 4822 7357 4822 7357 4822 7358 4822 7357 4822 7358 4822 7359 4822 7351 4822 7351 4822 7351 4822 7355 4822 7356 4822 7357 4822 7357 4822 7358 4822 7359 4822 7351 4822 7351 4822 7352 4822 7353 4822 7354 4822 7355 4822 7356 4822 7357 4822 7357 4822 7358 4822 7359 4822 7359 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	130 82989 130 80125 130 80125 130 80125 130 31928 130 31928 130 31928 130 31928 130 31928 130 31928 130 31928 130 60511 130 60511 130 60508 130 60511 1310 60508 1310 60511 1310 60511	TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16		and of the	e EEprom pos 7601 will	I be issued in the	•
6838 4822 6839 4822 6840 4822 6841 4822 6841 4822 6843 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6851 5322 6852 5322 7251 4822 7351 4822 7351 4822 7353 4822 7354 4822 7355 4822 7356 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7358 4822 7357 4822 7357 4822 7358 4822 7359 4822 7360 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 80125 130 80125 130 80125 130 80125 130 31928 130 31928 130 31928 130 31928 130 31928 130 42353 130 42353 130 42353 130 42353 130 60511 130 60508 130 60511 131 60508 131 60511 131 60511	TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16		and of the	e EEprom pos 7601 will	I be issued in the	•
6839 4822 6840 4822 6841 4822 6841 4822 6843 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6850 4822 6851 5322 7251 4822 7257 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 7357 7357 7357 7357 7357 7357 7357	130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 82989 130 80125 130 80511 130 80511	TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16		Service 1	Newsletter or Service In	lfo.	
6840 4822 6841 4822 6843 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6849 4822 6850 4822 6851 5322 7251 4822 7257 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 4822 7356 4822 7357 7357 7357 7357 7357 7357 7357 7357	2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 31928 2 130 31928 2 209 32744 2 209 33159 2 130 60511 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 209 31132 2 130 60511	TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16					
6841 4822 6842 4822 6843 4822 6844 4822 6845 4822 6846 4822 6847 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7257 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 7357 7357 7357 7357 7357 7357 7357	2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 80125 2 130 80125 2 130 80125 2 130 31928 2 130 31928 2 209 32744 2 209 32744 2 209 32745 2 209 32745 2 209 32745 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 130 60511	TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16					
6841 4822 6842 4822 6843 4822 6844 4822 6845 4822 6846 4822 6847 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7257 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 4822	2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 80125 2 130 80125 2 130 80125 2 130 31928 2 130 31928 2 209 32744 2 209 32744 2 209 32745 2 209 32745 2 209 32745 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 130 60511	TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16					
6842 4822 6843 4822 6844 4822 6845 4822 6846 4822 6847 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7354 4822 7355 4822 7356 4822 7357 4822 7358 4822 7359 4822 7551 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 80125 2 130 80125 2 130 80125 2 130 31928 2 130 31928 2 130 31928 2 130 31928 2 130 42353 2 130 42353 2 130 42353 2 130 60511 2 130 60508 2 209 31132 2 209 3133 2 209 32742 2 130 60511 2 130 60511	TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16					
6843 4822 6844 4822 6845 4822 6846 4822 6846 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7354 4822 7355 4822 7356 4822 7357 4822	2 130 82989 2 130 82989 2 130 82989 2 130 82989 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 60511	TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16					
6844 4822 6845 4822 6846 4822 6846 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7357 4822 7358 4822 7359 4822 7350 4822 7351 4822 7351 4822 7352 4822 7353 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 130 82989 2 130 82989 2 130 82989 2 130 80125 2 130 80125 2 130 80125 2 130 31928 2 130 31928 2 130 31928 2 130 60511	TLH02400AS-12Z TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16				,	
6845 4822 6846 4822 6847 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7354 4822 7355 4822 7356 4822 7357 4822 7357 4822 7358 4822 7357 4822 7358 4822 7359 4822 7351 4822 7351 4822 7355 4822 7355 4822 7356 4822 7357 4822 7357 4822 7358 4822 7359 4822 7360 4822 7551 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 130 82989 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 31928 2 130 31928 2 130 60511	TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16					
6845 4822 6846 4822 6847 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7356 4822 7357 4822 7357 4822 7356 4822 7357 4822	2 130 82989 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 8125 2 130 8128 2 130 31928 2 130 31928 2 209 32744 2 209 32745 2 209 32745 2 209 32745 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511	TLH02400AS-12Z TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16					
6846 4822 6847 4822 6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 4822 7356 4822 7357 4822 7363 5322 7363 5322 7363 5322 7363 5322 7363 5322 7363 5322 7363 5322 7363 4822 7355 4822 7355 4822 7355 4822 7355 4822 7355 4822 7355 4822 7355 4822 7355 4822 7355 4822 7355 4822 7355 4822 7356 4822 7357 4822 7357 4822 7358 4822 7359 4822 7359 4822	2 130 82989 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 80125 2 130 8125 2 130 8128 2 130 31928 2 130 31928 2 209 32744 2 209 32745 2 209 32745 2 209 32745 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511	TLH02400AS-12Z BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16					
6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7356 4822 7357 4822 7357 4822 7358 4822 7359 4822 7550 4822 7551 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 130 80125 2 130 80125 2 130 80125 2 130 31928 2 130 31928 2 130 31928 2 130 31928 2 130 60511 2 130 42353 2 130 42353 2 209 32745 2 209 32745 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 130 60511	BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16					
6848 4822 6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7356 4822 7356 4822 7357 4822 7356 4822 7357 4822 7357 4822 7358 4822 7359 4822 7551 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 130 80125 2 130 80125 2 130 80125 2 130 31928 2 130 31928 2 130 31928 2 130 31928 2 130 60511 2 130 42353 2 130 42353 2 209 32745 2 209 32745 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 130 60511	BZX84-C5V6 BZX84-C5V6 BZX84-C5V6 BAS16		1			
6849 4822 6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 4822 7357 4822 7358 5322 7363 5322 7363 5322 7551 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 130 80125 2 130 80125 2 130 31928 2 130 31928 2 130 31928 2 209 32744 2 209 83159 2 130 60511 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 130 60511	BZX84-C5V6 BZX84-C5V6 BAS16		1			
6850 4822 6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 4822 7357 4822 7358 4822 7359 4822 7351 4822 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 130 80125 2 130 31928 2 130 31928 2 130 31928 2 209 32744 2 209 83159 2 130 60511 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 31132 2 209 31132 2 130 60511 2 130 60511	BZX84-C5V6 BAS16					
6851 5322 6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7356 4822 7357 4822 7358 5322 7550 4822 7551 4822 7552 4822 7553 4822 7553 4822 7554 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 209 32744 2 209 33744 2 209 83159 2 130 60511 2 130 42353 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 130 60511 2 130 60511	BAS16		1			
6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7356 4822 7356 4822 7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 209 32744 2 209 33744 2 209 83159 2 130 60511 2 130 42353 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 130 60511			1			
6852 5322 7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7356 4822 7356 4822 7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 209 32744 2 209 33744 2 209 83159 2 130 60511 2 130 42353 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 130 60511						
7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 4822 7362 5322 7363 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 209 83159 2 130 60511 2 130 42353 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 31132 2 209 31132 2 130 60511 2 130 60511						
7251 4822 7257 4822 7258 4822 7350 4822 7351 4822 7351 4822 7355 4822 7356 4822 7357 4822 7362 5322 7363 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 209 83159 2 130 60511 2 130 42353 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 31132 2 209 31132 2 130 60511 2 130 60511			1			
7257 4822 7258 4822 7350 4822 7351 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 209 83159 2 130 60511 2 130 42353 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 31132 2 209 31132 2 130 60511 2 130 60511						
7258 4822 7350 4822 7351 4822 7351 4822 7355 4822 7356 4822 7357 4822 7362 5322 7363 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 130 60511 2 130 42353 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 130 60511	TEA0675T/V1				-	
7350 4822 7351 4822 7351 4822 7354 4822 7355 4822 7356 4822 7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 130 42353 2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 130 60511 2 130 60511	LA2000					
7351 4822 7354 4822 7355 4822 7356 4822 7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 130 42353 2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 130 60511	BC847B					
7354 4822 7355 4822 7356 4822 7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7609 4822 7800 4822	2 209 32745 2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 209 32743 2 130 60511 2 209 32743 2 130 60511	BFS19					
7355 4822 7356 4822 7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 31132 2 209 31132 2 130 60511 2 209 32743 2 130 60511 2 209 32743 2 130 41983 2 130 41983	BFS19					
7355 4822 7356 4822 7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 209 31981 2 209 32742 2 130 60511 2 130 60508 2 209 31132 2 209 31132 2 130 60511 2 209 32743 2 130 60511 2 209 32743 2 130 41983 2 130 41983	TE 40200/14					
7356 4822 7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7602 5322 7603 4822 7609 4822 7800 4822	2 209 32742 2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 130 60511 2 209 32743 2 130 60511 2 209 32743 2 130 41983 2 130 41983	TEA6320/V1	•		2.5		
7357 4822 7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7809 4822 7800 4822	2 130 60511 2 130 60508 2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 130 60511 2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32743 2 130 60511	SAA6579T/V1				*	
7362 5322 7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 130 60508 2 209 11102 2 209 31132 2 130 60511 2 130 60511 2 130 60511 2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	TL074IN					
7363 5322 7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 209 11102 2 209 31132 2 209 31132 2 130 60511 2 130 60511 2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32743 2 130 60511 2 209 32774 2 209 32774 2 130 41983 2 130 41983	BC847B				* .	
7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 209 31132 2 209 31132 2 130 60511 2 130 60511 2 130 60511 2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	BC857B					
7550 4822 7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 209 31132 2 209 31132 2 130 60511 2 130 60511 2 130 60511 2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	HEF4052BT					
7551 4822 7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 209 31132 2 130 60511 2 130 60511 2 130 60511 2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983						
7552 4822 7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 130 60511 2 130 60511 2 130 60511 2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	TDA7374V		1			
7553 4822 7554 4822 7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 130 60511 2 130 60511 2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	TDA7374V					
7554 4822 7555 5322 7602 5322 7603 4822 7609 4822	2 130 60511 2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	BC847B					
7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	BC847B					
7555 5322 7602 5322 7603 4822 7609 4822 7800 4822	2 130 60508 2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	BC847B					
7602 5322 7603 4822 7609 4822 7800 4822	2 209 10468 2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	BC857B					
7603 4822 7609 4822 7800 4822	2 209 32743 2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983						
7609 4822 7800 4822	2 130 60511 2 209 32687 2 209 32774 2 130 41983 2 130 41983	HEF4521BP					
7800 4822	2 209 32687 2 209 32774 2 130 41983 2 130 41983	MSM6307GS					
	2 209 32774 2 130 41983 2 130 41983	BC847B	.17				
	2 209 32774 2 130 41983 2 130 41983	TDA3602/N2					
	2 130 41983 2 130 41983	P87C528-FAM3	FRONT		*		
	130 41983	BC858B					•
		BC858B					
		BC817-40	FRONT				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
7803 4822	2 130 62651 🗀 🗉	ON4414					
7804 4822	2 130 42615	BC817-40		1			
	2 130 42615	BC817-40	FRONT				
	2 130 60511	BC847B					
	2 130 42615	BC817-40					
7807 5322	2 209 11129						
	2 130 44786	PCF8576T BD675					

Version 4.4

Service Service Service

ServiceManual

12 V 🕘



4822 725 23509

MECHANICAL SPECIFICATION

Operating positions:

Any position from horizontal to 45° standing vertically on the rear side.

Operating temperature:

-20°C to +70°C

Tape speed:

4,76 cm/sec

Wow and flutter:

< 0,5% unweighted

< 0,3% weighted

Winding time:

Test tape: RCA 118 (C60) < 110 sec Eject and loading time: < 2 sec

ELECTRICAL SPECIFICATION

Voltage:

min 10,6 V max 16.0 V

Current - playback:

200 mA

Current - fast wind:

150 mA

Current - eject, standby:

100 uA

Hold in voltage:

8,0 V

Capstan motor:

14,4 V

Servo motor:

2 V DC Play

11,5 V DC Fast, Servo

Playback Crosstalk

ch. 1 - 2/3 - 4

> 36 dB

ch. 2 - 3

> 46 dB

FEATURES

The SCA-4.4 tape deck is usable in several sets. Most of the control functions depend on the hard- and software-configuration of the set in which the deck is installed.

The set μC can control soft eject, emergency eject, standby mode, reverse function, MSS, ME/FE and DOLBY indication.

Some versions of the deck could be equipped with a groved head and/or a preamplifier circuit.

HANDLING AND DEMOUNTING INSTRUCTIONS

GENERAL

- Protect the tape deck against ESD!
- Plastic catches and snap connections must be released careful with screwdriver or tweezers.
- Cables must be laid in the defined cable guidings after mounting.
- For lubrication see indications in the exploded view.
- To clean tape transport and head only use moist cleaning tapes or piece of cloth, take care that no fluid (alcohol) drops into the bearing.
- For transport lift/carrier assy must be in eject position, do not carry the deck by touching the lift/carrier.

2

- Use a screwdriver 2,5 mm with insulated shaft for adjusting drift.
- Screw the deck into the set in order: Front right, front left, rear left, rear right.

DEMOUNTING

- 1. Carrier/lift (44)
- 1.1 Lift in eject position put leg of eject spring (12) into mounting position acc. fig. 8 and fig. 2 J
- 1.2 Lift in play position unclamp cassette holder (49) from eject lever (48) with a left-upwards motion acc. fig.1-B
- 1.3 Lift in eject position push plastic hook (fig:1-D) and pull out eject lever, remember position of ejector spring (55) and switching pin (54) for re-assembly later on
- 1.4 Release fixation lever (fig.1-F) by clicking out in left direction and then turn to the right
- 1.5 Lift in mid position take out carrier and lift by releasing plastic hooks at the left (fig.1-G)
- 2. Head support
- 2.1 Take out carrier/lift according 1.
- 2.2 Remove head carrier spring (37)
- 2.3 Turn head support fixation lever acc. fig.3-A
- 2.4 Position pin of switching lever (20) to max. left point, see fig.3-detail I
- 2.5 Release plastic snapper (fig.3-H) and take out head support assembly !!! TAKE CARE NOT TO BENT THE HEAD CARRIER !!!
- 2.6 Press plastic fixation (fig.3-detail E,F) and take out magnetic head
- 2.7 Push pressure spring (27) acc. fig.3-D and move it out
- 2.8 Release plastic hooks (fig.3-B,C) to pull pinch rollers (45+68) out
- 2.9 Take off anchor spring (13), rotate anchor (2) 90°degrees to take it out (fig.4-A,B,C)
- 3. Capstan motor (32)

Remove belt (30) from driving wheel, desolder connection cables, unscrew the two torx screws at the bottom of chassis and take out capstan motor

!!! TAKE CARE OF CORRECT AND UNTWISTED MOUNTING OF THE BELT !!!

4. Servo motor (14)

Desolder connection cables and lever up motor out of its clamps (fig.2-F,G)

- 5. Clutch assy (57-59)
- 5.1 Remove servo motor acc. 4.
- 5.2 Cut disk (65) and remove it (must be renewed)
- 5.3 Pull clutch from the axle (fig.2-H,I)
- 6. Anchor holder (8) and magnet double (1)
- 6.1 Desolder cables of magnet
- 6.2 Swivel anchor holder counter-clockwise and press it off applying force near the pivoting point
- 6.3 Release plastic clamps of magnet holder and press magnet out from top of the chassis (fig.4-E)
- 7. Driving belt (30), flywheels (23) and bearings (70)
- 7.1 Release pivot plate (35) by turning the plastic hooks acc.fig.5-A,B
- 7.2 Remove pivot plate and driving belt
- 7.3 Pull out flywheels
- 7.4 Press bearings out of plastic housings from top side of chassis plate, use a plastic tool with dameter 4mm in order not to damage the housings
- 7.5 After mounting new flywheels, bearings or pivot plate you have to test wow and flutter because every deck is adjusted individual for these components. If the values of wow and flutter are out of specification, you have to exchange complete deck!
- 7.6 Degrease capstan axis after re-mounting the flywheels
- 8. Connection wheel (5), take up wheels (6), backtension springs (69)
- 8.1 Take out carrier/lift acc. 1.
- 8.2 Lever up connection wheel from axle (must be renewed)
- 8.3 Cut disks (65) and remove them (must be renewed)
- 8.4 Unclamp and pull up wheels with puller (fig.2-A,B)
- 8.5 Take out backtension springs
- 9. ME/CR Switch (60)
- 9.1 Desolder connection cables
- 9.2 Push with a small pin through the hole at the bottom of the chassis, directly under the switch

10. 10.1 10.2	ON/OFF Switch (26) Desolder connection cables Lever up switch or push with a small pin through the hole at the bottom of the chassis, directly under the switch if servo motor and clutch were removed previously
11. 11.1 11.2 11.3 11.4 11.5	Control pins (16), gear lever (17), play reverse lever—(18) Remove flywheels acc. 7 Remove play reverse lever Put control pins into mounting position acc. fig.6-D,E Take out gear lever Pull out control pins
12. 12.1 12.2 12.3 12.4 12.5	Switching lever (20), swivel wheel assembly (7,15,43) Release spring (53) from black plastic pin Turn switching lever acc. fig.7-A Lever up switching lever from axle Remove connection wheel acc. 8 Take out swivel wheel assembly
13. 13.1 13.2 13.3 13.4	Switching pin (54), transport rod (25), latch (21) Remove ON/OFF Switch acc. 10 Lever up switching pin from axle Remove switching lever acc. 12 Move out transport rod and latch

TOOLS REQUIRED

4822 397 30071
4822 397 30069
4822 395 30054
4822 395 60039

ADJUSTMENTS

TORQUE OF REELS (FRICTION)

Adjust potmeter pos. 3409 until friction test cassette shows 9,5 +/- 1,5 mNm in NOR direction (after 2 minutes) and 8,5 +/- 1,5 mNm in REV direction. Backtension must be 0,3 to 0,7 mNm. If values deviate check lubrication, clutch, take up wheels and backtension springs.

WOW AND FLUTTER, TAPE SPEED

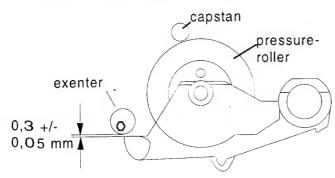
Connect wow and flutter meter to loudspeaker outputs and play the 3150 Hz signal track of test cassette SBC 420. Value should be max. 0,5% (unweighted).

If value deviates check motors, pressure rollers, flywheels, belt, pulley and backtension springs.

Tape speed can be adjusted with motor potentiometer A (see fig.8). Use a screwdriver with insulated shaft!

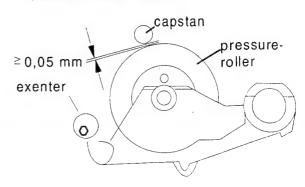
PRESSURE ROLLER / CAPSTAN (see figures below)

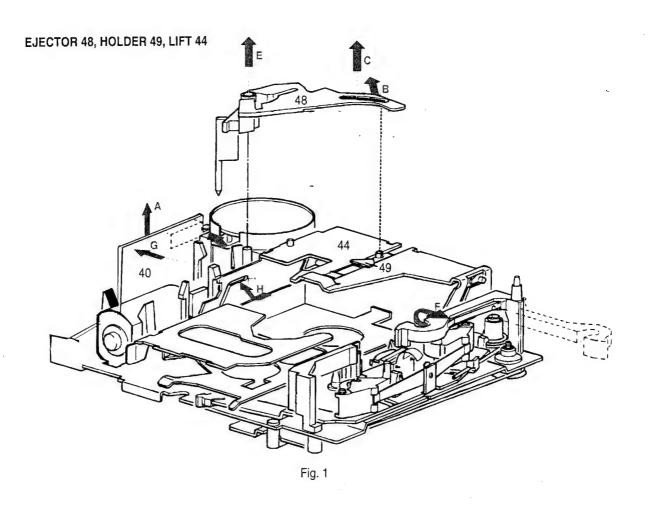
Adjust clearance play-NOR position between pressure roller and stop head carrier



SCA-4.4

Adjust clearance FFW position between pressure roller and capstan





CLUTCH 59, SWITCH 60, GEAR WHEEL 5, CARRIER 6

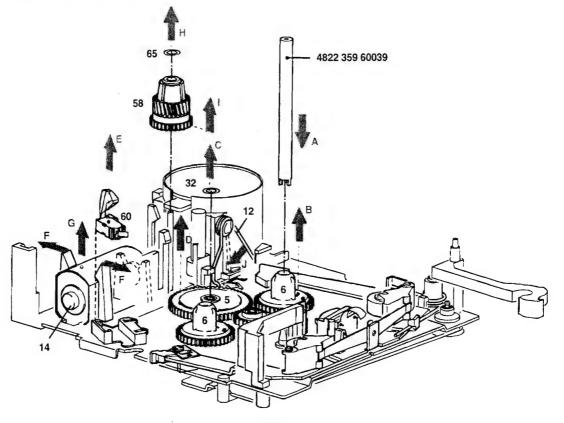
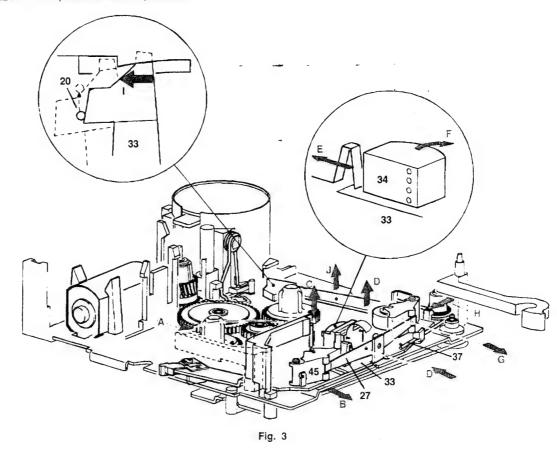
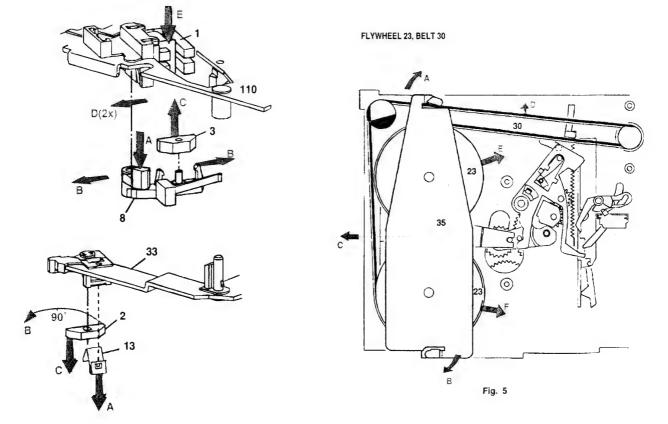


Fig. 2

PRESSURE ROLLER 45, HEAD BRACKET 33, HEAD 34



ANCHOR 3/5, RELAY 1



SCA-4.4

PCS68 087

Fig. 4

SEGMENT 16, BRACKET 17, BEARING 70

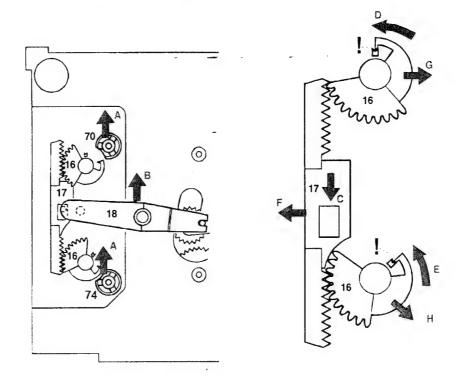


Fig. 6

SWITCH 26, SWIVEL GEAR 7, LEVER 20

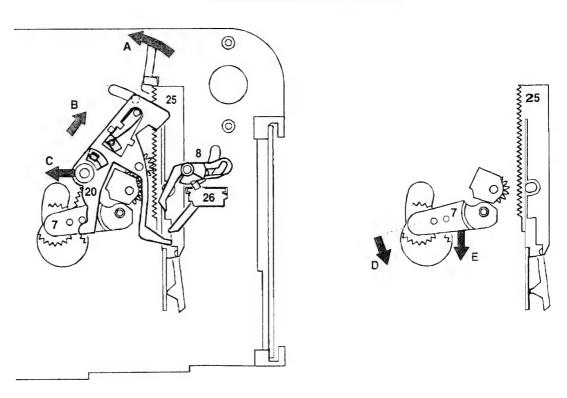
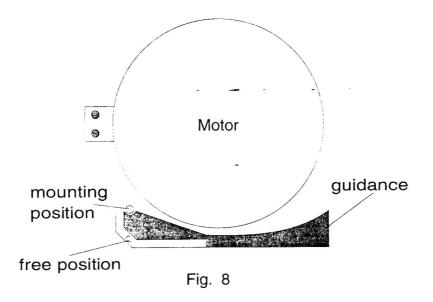
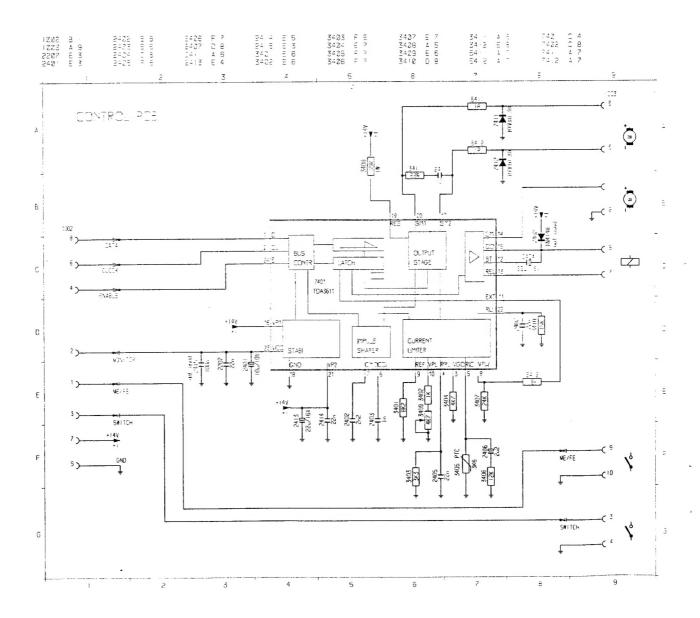


Fig. 7





MEASUREMENTS ON CONTROL PCB

ME/FE: 0,0 V (FE) / 5,0 V (ME/CR) ON/OFF: 0,0 V (ON) / 5,0 V (OFF)

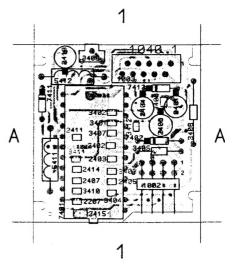
Pos. 7401 TDA 3611

- 1: 5,0 V
- 2: 5,0 V
- 3: 0,7 V / 0,0 V (Sb)
- 4: 0,8 V (PN) / 0,9 V (PR) / 0,3 V (W) / 0,0 V (Sb)
- 5: 0,8 V (PN) / 1,0 V (PR) / 0,4 V (W) / 0,0 V (Sb) / 0,1 V (TA)
- 6: 0,8 V (PN) / 1,0 V (PR) / 0,4 V (W) / 0,0 V (Sb) / 0,1 V (TA)
- 7: 0,7 V (P) / 1,8 V (W) / 0,0 V (Sb) / 0,6 V (TA)
- 8: 3,4 V / 0,0 V (Sb)
- 9: 1,2 V / 0,0 V (Sb)
- 10: 0,5 V / 0,0 V (Sb)
- 11: 3,4 V / 0,0 V (Sb)
- 12: 12,0 V
- 13: 0,5 V / 12,0 V (Sb)
- 14: 0,0 V / 11,5 V (P)
- 15: 11,5 V / 12,0 V (Sb)
- 16: 12,0 V
- 17: 0,1 V (PN) / 2,4 V (PR) / 0,0 V (WN) / 12,0 V (WR) / 0,0 V (Sb)
- 18: GND
- 19: 12,0 V / 8,5 V (P)
- 20: 2,4 V (PN) / 0,1 V (PR) / 12,0 V (WN) / 0,0 V (WR) / 0,0 V (Sb)
- 21: 12,0 V
- 22: 3,6 V (P) / 1,3 V (W) / 0,0 V (Sb)
- 23: 5,0 V
- 24: 5,0 V

All values measured DC - GND

- (P) = Play mode both directions
- (W) = Wind mode both directions
- (PN) = Play NOR direction
- (PR) = Play REV direction
- (WN) = Wind NOR direction
- (WR) = Wind REV direction
- (Sb) = Standby
- (TA) = Traffic anouncement





CONNECTORS

Control Connector (View onto Radio-PCB)

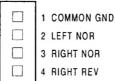
MONITOR 2 1 ME/FE (optional)

ENABLE 4 3 ON/OFF Switch

CLOCK 6 5 GND

DATA 8 7 +14 V

Head Connector
(View onto Radio-PCB)



4 RIGHT REV 5 LEFT REV 10 8 1: Capstan +

6: Servomotor -7: Magnet -

Deck Connector (Pos. 1003)

2: Capstan -3: ON/OFF Switch 4: GND

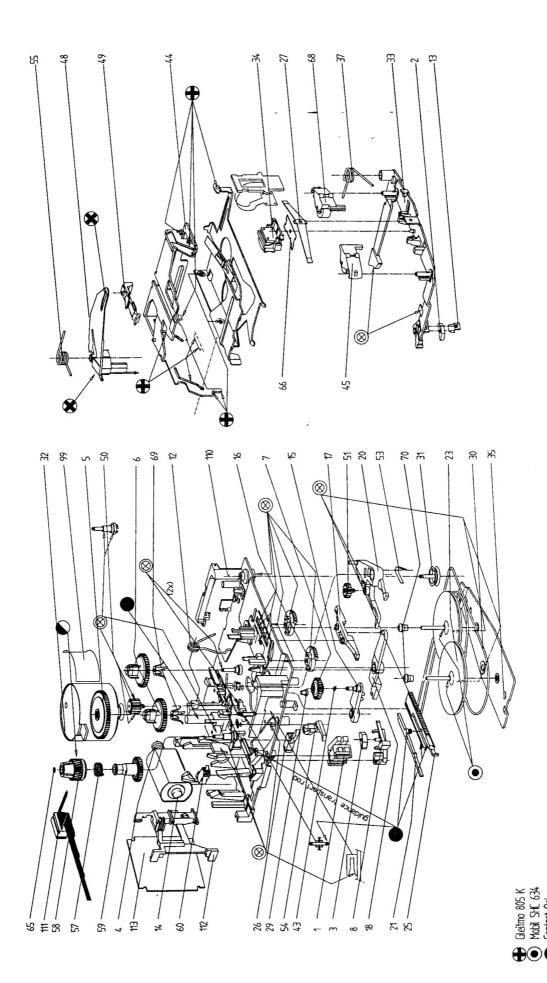
(View onto Control-PCB)

8: Magnet + 9: ME/FE Switch

5: Servomotor +

10. GND

Front of Radio 🗸



SCA-4.4

MECHANICAL PARTS

ELECTRICAL PARTS

1	4822 281 11051	DOUBLE ANCHOR ON SUPPORT 33 ANCHOR IN HOLDER 8 WHEEL IDLER CARRIER	2207 5322 122 32654 22NF10%X7R 63V
2	4822 404 21083		2401 4822 124 22748 10UF 10V
3	4822 404 21084		2402 4822 122 33127 2,2NF10%X7R 63V
5	4822 522 32868		2403 4822 122 33178 1NF 20% X7R 50V
6	4822 528 10776		2404 4822 124 23279 22UF20% 16V
7 8 1 14 16	4822 528 70658 4822 404 21087 4822 492 70556 4822 361 30297 4822 522 32869	ASSY FOR ANCHOR 2 FOR ANCHOR 2 SERVO ASSY NORMAL/REVERSE	2401 4822 124 22748 10UF 10V 2402 4822 122 33127 2,2NF10%X7R 63V 2403 4822 122 33178 1NF 20% X7R 50V 2404 4822 124 23279 22UF20% 16V 2405 5322 122 32654 22NF10%X7R 63V 2406 4822 124 41013 2,2UF 25V 2407 5322 122 32654 22NF10%X7R 63V 2411 4822 122 33177 10NF 20% X7R 50V 2413 4822 124 23279 22UF20% 16V
17	4822 404 21089	DRIVING 16 ASSY SERVO GEARWHEEL FLYWHEEL ON/OFF FOR PRES. ROLLER 45	2414 5322 122 32654 22NF10%X7R 63V
20	4822 404 21086		3401 4822 051 20822 8K20 5% 0,1W
23	4822 528 81378		3402 4822 051 20102 1K00 5% 0,1W
26	4822 277 11215		3403 4822 051 20332 3K30 5% 0,1W
27	4822 492 70557		3404 4822 051 20472 4K70 5% 0,1W
29	4822 502 12548	FIX MOTOR 32	3405 4822 116 40241 3K6 PTC
30	4822 358 31053	BELT, DRIVING	3406 4822 051 20123 12K00 5% 0,1W
31	4822 528 81144	DIVERTING BELT	3407 4822 051 20243 24K00 5% 0,1W
32	4822 361 30294	CAPSTAN	3408 4822 053 10399 39R00 5% 1W
33	4822 404 21088	FOR HEAD,PRES.ROLLR	3409 5322 101 11014 5K POTMETER
34	4822 249 30157	WITH FLEXPRINT FOR CASSETTE REVERSE EJECT HOLDING CASSETTE	3410 4822 051 20153 15K00 5% O,1W
44	4822 466 82631		3411 4822 051 20689 68R00 5% O,1W
45	4822 528 81377		3412 4822 051 20183 18K00 5% O,1W
48	4822 404 21091		5411 4822 050 21008 1R00 1% 0,6W
49	4822 404 21092		5412 4822 050 21008 1R00 1% 0,6W
50 59 60 65 68	4822 522 32871 4822 522 10435 4822 277 11216	COUPLING ASSY ME/CR FOR CARRIER CLUTCH	7401 4822 209 32207 TDA3611 7411 4822 130 32911 BYV10-30 7412 4822 130 32911 BYV10-30 AIDS AND TOOLS
69 70 111 112 113	4822 492 70926 4822 520 30539 4822 321 61954 4822 256 92048 4822 214 52077	UNDER CARRIER FOR FLYWHEEL CABLE, CONNECT FOR PCB PCB KOMPL.	100 4822 390 10107 ISOFLEX PDP65 101 4822 390 20128 TOPAS L30 103 4822 390 10123 MOBIL OIL SHC 634 104 4822 390 20027 GLEITMO 805K 105 4822 390 20128 L30 TF 107 4822 390 20139 GLEITMO 535K